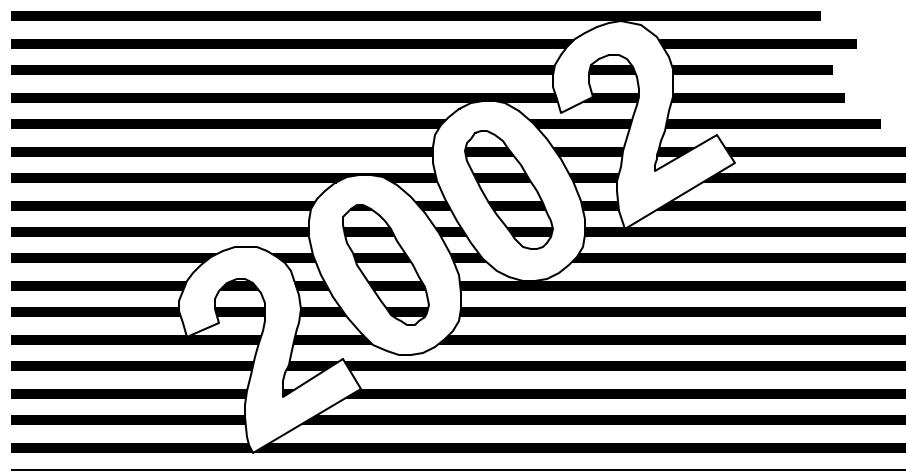


KANSAS

ANNUAL SUMMARY OF VITAL STATISTICS



Kansas Department of Health and Environment

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“Remember to see the faces in the numbers.”

---Anonymous

ANNUAL SUMMARY OF VITAL STATISTICS KANSAS, 2002

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Dept. of Health and Environment



Prepared by the:
Center for Health & Environmental Statistics
Office of Health Care Information and
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November, 2003

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Introduction

The 2002 edition of the Annual Summary of Vital Statistics is a summary of data compiled from vital event records for the 2002 calendar year. The content of this report includes summaries of vital events such as live births, fetal deaths, abortions, deaths, marriages, and marriage dissolutions documented by certificates and reports filed with the Office of Vital Statistics, Center for Health and Environmental Statistics. Please note that in the 2002 edition of the Annual Summary the Perinatal, Infant and Maternal Deaths section has been eliminated. The contents of this section have been moved to either the Pregnancy Outcomes or Death sections of the report. Also, noteworthy, a table on fetal deaths by cause of death and weeks gestation, and a table on teenage pregnancies by race and Hispanic origin have been added. We have also added Hispanic origin to two existing death tables that contain race data.

This document provides its users with an overview of the events contributing to the health status of Kansans. The facts contained in this report are essential for effective health policy decisions and program planning. It is designed to provide governmental agencies, businesses, industries, and citizens with information on vital statistics in Kansas.

Comments concerning the format or content of this report are welcomed. The Annual Summary of Vital Statistics is a **summary** of the health data collected by the State of Kansas on vital events. More detailed information is available upon request. The information contained in this report may be obtained electronically by contacting the Kansas Department of Health and Environment, Center for Health and Environmental Statistics, Office of Health Care Information (785-296-5644) or e-mail ksommer@kdhe.state.ks.us. The Annual Summary of Vital Statistics is also available on the Internet at the KDHE home page on the World Wide Web. The address is: <http://www.kdhe.state.ks.us/hci/>. For copies of this report please call (785-296-8627).

ADA Statement: If you desire a copy of this publication in alternative form because of a disability, contact the Kansas Department of Health and Environment, Center for Health and Environmental Statistics, Office of Health Care Information, 1000 SW Jackson, Suite 130, Topeka, KS 66612-1354, 785-296-8627, or 1-800-332-6262 (TDD/TT).

Vital Events

Kansas vital events (resident-live births, deaths, fetal deaths, abortions, and occurrence-marriages and marriage dissolutions) decreased 0.4 percent from 100,557 in 1992 to 100,187 in 2002. ([Table 1](#))

Between 1992 and 2002, the most significant changes in vital events were a 35.1 percent decrease in the fetal death rate and a 26.7 percent increase in the out-of-wedlock birth ratio. ([Table 1](#))

The number of out-of-wedlock births to Kansas residents reached a record high in 2002 at 12,129. This represented 30.8 percent of all Kansas resident births, which is the highest proportion ever reported. ([Table 1](#))

The live birth rate in 2002 (14.5) decreased 3.3 percent from the 1992 rate of 15.0. The rate of 14.2 in 1996 was the lowest on record, dating from 1935. The death rate increased 5.7 percent, from 8.7 in 1992 to 9.2 in 2002. ([Table 1](#), [Figure 3](#))

Hebdomadal, perinatal, neonatal and infant death rates decreased from 1992 to 2002, with percentage decreases of 11.4, 24.0, 7.5, and 18.2, respectively. ([Table 1](#), [Figure 3](#))

In 2002, the number of couples married in Kansas declined slightly, continuing the generally downward trend that began in 1993. The marriage rate (7.3) decreased 16.1 percent from the 1992 rate of 8.7. The number of marriage dissolutions (divorces and annulments) granted in the state continued its generally downward trend. ([Table 1](#))

Over half (10,368) of the marriages in 2002 were first marriages for both the bride and groom. ([Figure 2](#))

Every Day During 2002*

Each day Kansas residents experienced approximately...

108 Live births
33 Out of wedlock live births
1 Infant death
0.5 Fetal death

18 Heart disease deaths
15 Cancer deaths
5 Cerebrovascular disease deaths
4 Chronic lower respiratory disease deaths
3 Accidental deaths
2 Pneumonia and influenza deaths

Each day in Kansas there occurred approximately...

54 Marriages
26 Marriages dissolutions

and

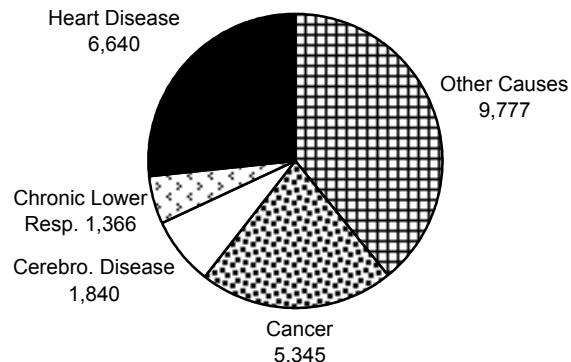
32 Abortions

Figure 1

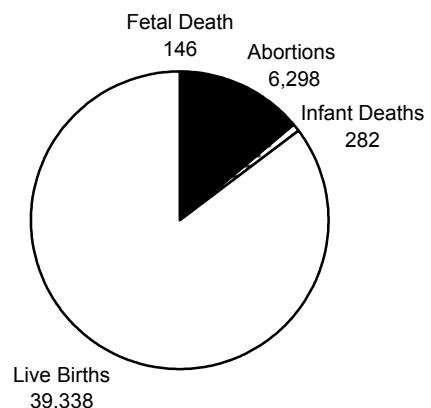
* Based on 365 Days in 2002

Kansas Vital Statistics for 2002

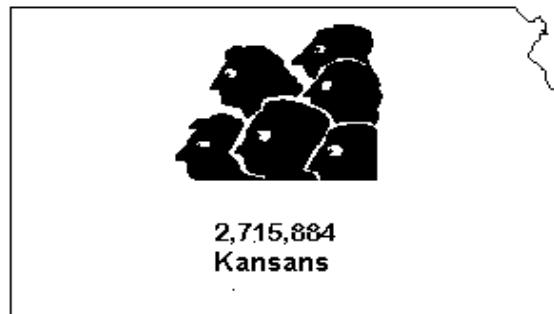
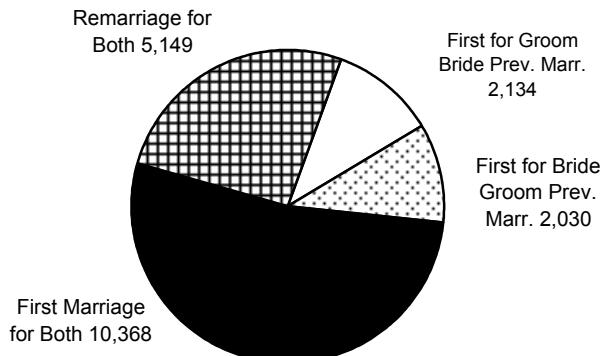
Deaths*
Total 24,968



Pregnancy Outcomes*



Marriages by Marriage Order**
Total 19,783
(102 n.s.)



Marriage Dissolutions**
By Duration of Marriage
Total 9,645

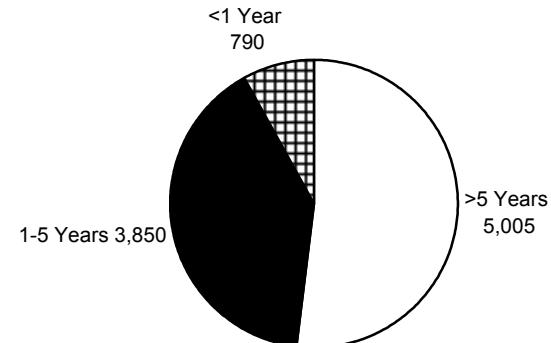


Figure 2

* Residence Data

**Occurrence Data

Table 1
Selected Vital Event Rates And Ratios
Kansas, 1992-2002

Vital Event	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Live Births											
Number.....	37,848	37,283	37,269	37,087	36,524	37,191	38,372	38,748	39,654	38,832	39,338
Rate.....	15.0	14.7	14.6	14.5	14.2	14.3	14.6	14.6	14.7	14.4	14.5
Out-of-Wedlock Births											
Number.....	9,183	9,599	9,653	9,594	9,798	10,260	10,657	11,068	11,491	11,592	12,129
Ratio.....	24.3	25.7	25.9	25.9	26.8	27.6	27.8	28.6	29.0	29.9	30.8
Fetal Deaths											
Number.....	216	222	231	183	179	202	199	175	177	209	146
Rate.....	5.7	5.9	6.2	4.9	4.9	5.4	5.2	4.5	4.4	5.4	3.7
Hebdomadal Deaths											
Number.....	165	171	140	134	157	147	132	159	146	148	155
Rate.....	4.4	4.6	3.8	3.6	4.3	4.0	3.4	4.1	3.7	3.8	3.9
Perinatal Period III Deaths											
Number.....	381	393	371	317	336	349	331	334	323	357	301
Rate.....	10.0	10.5	9.9	8.5	9.2	9.3	8.6	8.6	8.1	9.1	7.6
Neonatal Deaths											
Number.....	199	201	177	166	199	173	172	189	174	178	192
Rate.....	5.3	5.4	4.7	4.5	5.4	4.7	4.5	4.9	4.4	4.6	4.9
Infant Deaths											
Number.....	332	325	285	256	299	274	263	281	266	285	282
Rate.....	8.8	8.7	7.6	6.9	8.2	7.4	6.9	7.3	6.7	7.3	7.2
Maternal Deaths											
Number.....	2	3	2	2	2	5	3	4	4	1	2
Rate.....	0.5	0.8	0.5	0.5	0.5	1.3	0.8	1.0	1.0	0.3	0.5
Deaths											
Number.....	22,052	23,508	23,219	23,807	23,788	23,609	23,928	24,380	24,676	24,590	24,968
Rate.....	8.7	9.3	9.1	9.3	9.2	9.1	9.1	9.2	9.2	9.1	9.2
Marriages											
Number.....	21,845	21,527	21,524	21,057	20,657	20,537	20,403	20,905	20,426	20,457	19,783
Rate.....	8.7	8.5	8.4	8.2	8.0	7.9	7.8	7.9	7.6	7.6	7.3
Divorces and Annulments											
Number.....	12,365	12,068	11,659	11,029	10,779	10,618	10,363	9,926	10,105	9,885	9,654
Rate.....	4.9	4.8	4.6	4.3	4.2	4.1	3.9	3.7	3.8	3.7	3.6

Residence data are presented for births and deaths

Occurrence data are presented for marriages, divorces and annulments

Selected Vital Events Rates

Kansas, 1992-2002

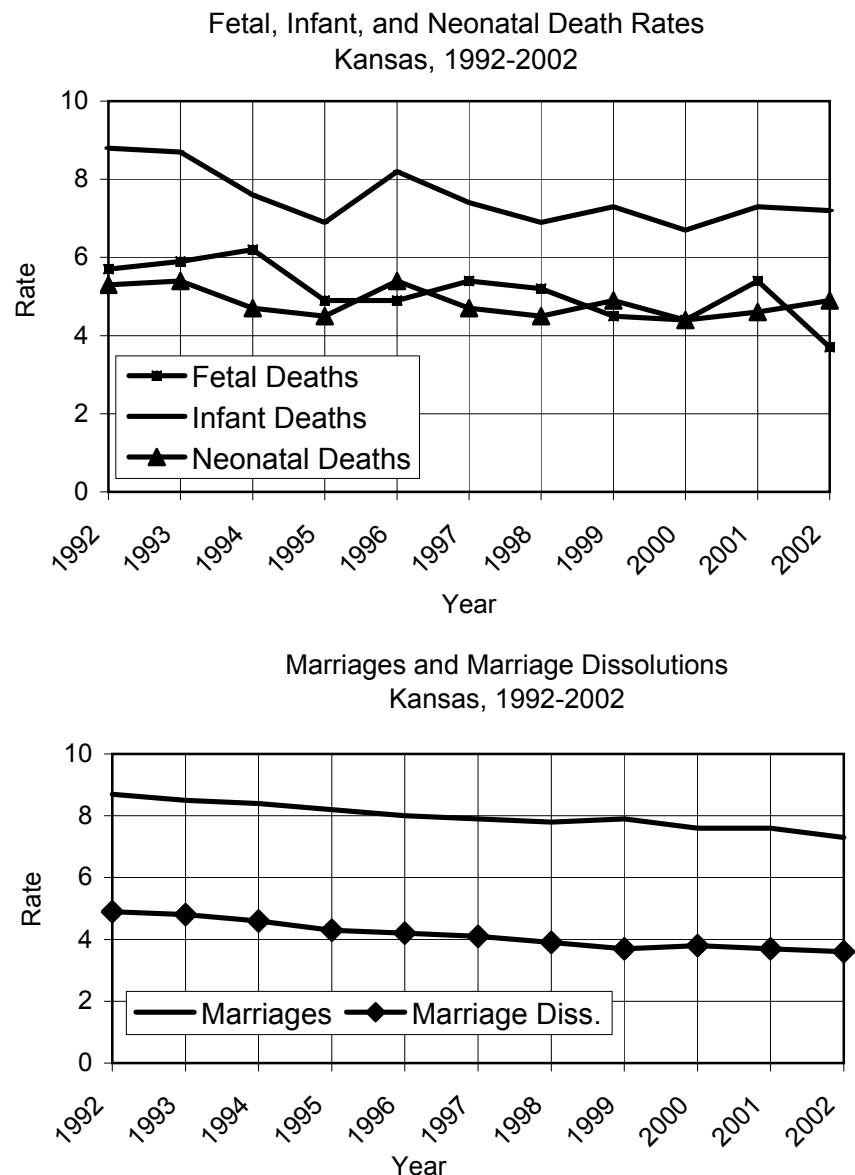
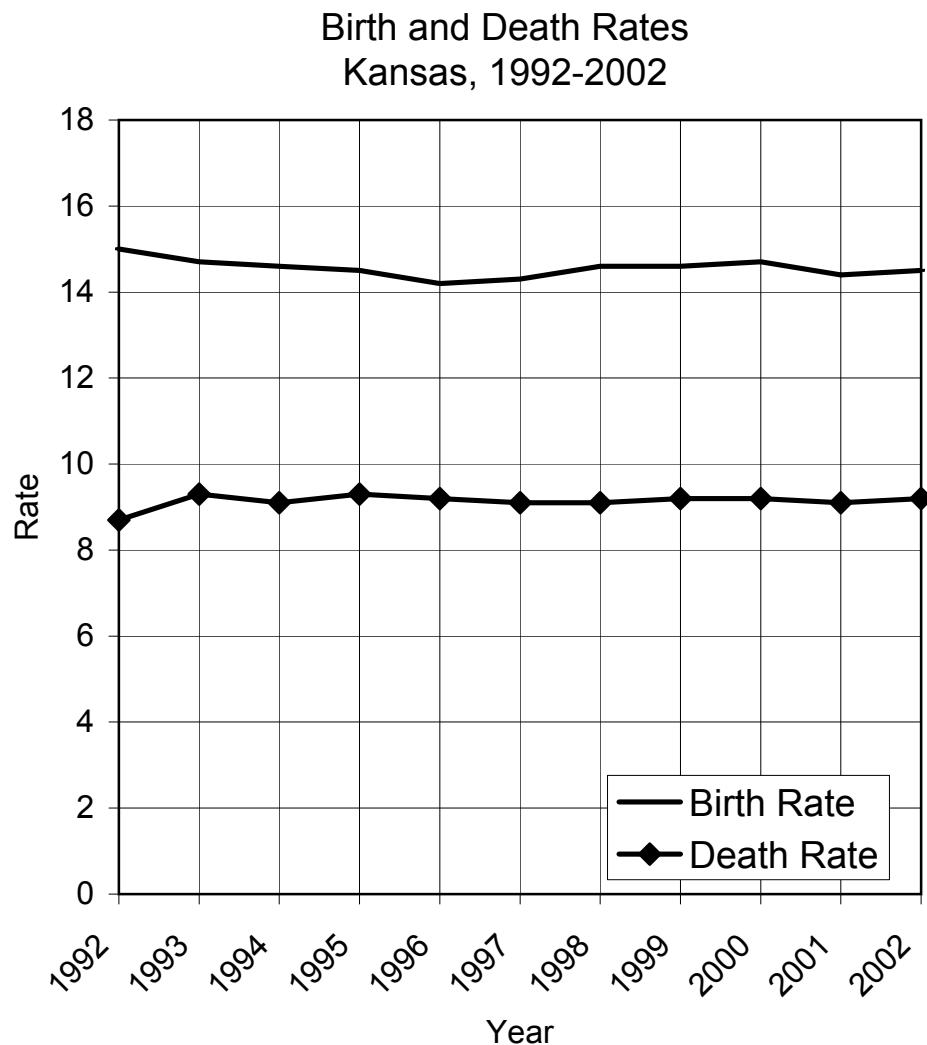


Figure 3

Population

Kansas increased in population from 2,694,641 residents in 2001 to 2,715,884 residents in 2002, a 0.8 percent increase. Hamilton, Ford, and Johnson counties had the largest increases in population from 1998 to 2002 with percent changes of 13.4, 11.2, and 10.9 respectively. Greeley, Lane and Graham counties had the largest decreases in population with percent changes of 13.6, 11.7, and 11.1 respectively. ([Table 2](#))

According to U.S. Census Bureau estimates, there were 2,715,884 Kansans in 2002, a 7.7 percent increase in total population since 1992. ([Figure 4](#), [Table 4](#))

The rate of natural increase (difference between birth rate and death rate) has generally declined from a rate of 13.5 in 1961. In 2002, the natural increase rate was 5.3, identical to the rate in 2001. ([Figure 5](#))

The median age of Kansans in 2002 was 35.4 years, a 5.7 percent increase from the 33.5 median age in 1992. The median age for Kansas males and females in 2002 was 34.0 and 36.8 respectively. ([Figure 6](#), [Table 4](#))

The percent increase in the Kansas total population from 1992-2002 was 7.7 percent, including an 8.5 percent increase for Kansas males and a 6.9 percent increase for Kansas females. Shifts in the Kansas population distribution by age from 1992 to 2002 included decreases in the 5-14, 25-34, and 65-74 age-groups of 0.3, 11.1, and 8.1 percent respectively. An increase of 48.2 percent in residents 45-54 years of age and 17.2 percent in residents 55-64 years of age reflected the aging of the baby boomers. Furthermore, there were 0.5, 16.6, 14.1, and 12.2 percent increases in the 0-4, 15-24, 35-44 and 75 and over age-groups respectively. ([Figure 7](#), [Table 4](#))

The population density of Kansas was 33.2 persons per square mile in 2002, a 25.3 percent increase from 26.5 persons per square mile in 1962 and a 7.8 percent increase in population density since 1992. For comparison, the population density of the U.S. has increased from 51.5 to 81.5 persons per square mile from 1962 to 2002 respectively, a 58.3 percent increase. ([Figure 8](#))

In 2002, 31 of Kansas' 105 counties had population densities of less than 6.0 persons per square mile. The most sparsely populated counties were Wallace and Greeley with a density of 1.9 persons per square mile. The most densely populated county was Wyandotte, with 1,048.5 persons per square mile. ([Figure 9](#))

Table 2
Population By County And By Peer Group*
Kansas, 1998-2002

County of Residence	Year					Percent Change 1998-2002
	1998	1999	2000	2001	2002	
Kansas.....	2,629,067	2,654,052	2,688,418	2,694,641	2,715,884	3.3
Allen.....	14,556	14,435	14,385	14,193	14,234	-2.2
Anderson.....	8,060	8,119	8,110	8,190	8,147	1.1
Atchison.....	16,908	16,856	16,774	16,687	16,683	-1.3
Barber.....	5,342	5,240	5,307	5,163	5,085	-4.8
Barton.....	27,641	28,658	28,205	27,810	27,743	0.4
Bourbon.....	15,260	14,980	15,379	15,371	15,171	-0.6
Brown.....	11,070	10,930	10,724	10,630	10,501	-5.1
Butler.....	61,932	62,769	59,482	60,194	60,534	-2.3
Chase.....	2,950	2,855	3,030	3,033	2,930	-0.7
Chautauqua.....	4,360	4,273	4,359	4,270	4,210	-3.4
Cherokee.....	22,552	22,401	22,605	22,333	21,953	-2.7
Cheyenne.....	3,174	3,225	3,165	3,114	3,123	-1.6
Clark.....	2,361	2,342	2,390	2,371	2,382	0.9
Clay.....	9,148	8,971	8,822	8,771	8,704	-4.9
Cloud.....	10,027	10,007	10,268	9,985	9,932	-0.9
Coffey.....	8,696	8,741	8,865	8,815	8,902	2.4
Comanche.....	2,012	1,954	1,967	1,961	1,985	-1.3
Cowley.....	36,319	36,948	36,291	35,929	36,427	0.3
Crawford.....	36,360	36,347	38,242	37,927	38,052	4.7
Decatur.....	3,456	3,370	3,472	3,432	3,407	-1.4
Dickinson.....	19,742	19,645	19,344	19,155	19,144	-3.0
Doniphan.....	7,856	7,954	8,249	8,303	8,215	4.6
Douglas.....	93,137	98,343	99,962	100,005	102,316	9.9
Edwards.....	3,312	3,275	3,449	3,325	3,337	0.8
Elk.....	3,351	3,384	3,261	3,189	3,138	-6.4
Ellis.....	26,309	26,338	27,507	27,247	27,274	3.7
Ellsworth.....	6,285	6,220	6,525	6,488	6,418	2.1
Finney.....	36,514	37,409	40,523	40,082	39,732	8.8
Ford.....	29,382	29,587	32,458	32,314	32,662	11.2
Franklin.....	24,768	25,136	24,784	24,943	25,322	2.2
Geary.....	25,370	24,911	27,947	26,799	26,410	4.1
Gove.....	3,054	3,028	3,068	3,008	2,992	-2.0
Graham.....	3,204	3,118	2,946	2,845	2,847	-11.1
Grant.....	8,012	7,885	7,909	7,790	7,895	-1.5
Gray.....	5,595	5,579	5,904	5,946	6,045	8.0
Greeley.....	1,704	1,648	1,534	1,503	1,472	-13.6
Greenwood.....	8,139	7,961	7,673	7,771	7,653	-6.0
Hamilton.....	2,343	2,374	2,670	2,671	2,658	13.4
Harper.....	6,430	6,305	6,536	6,335	6,278	-2.4
Harvey.....	34,361	34,261	32,869	33,031	33,375	-2.9
Haskell.....	3,976	4,042	4,307	4,285	4,291	7.9
Hodgeman.....	2,209	2,235	2,085	2,154	2,149	-2.7
Jackson.....	12,130	12,177	12,657	12,742	12,741	5.0
Jefferson.....	18,243	18,146	18,426	18,610	18,664	2.3
Jewell.....	3,867	3,787	3,791	3,591	3,495	-9.6
Johnson.....	429,563	440,198	451,086	465,058	476,536	10.9
Kearny.....	4,177	4,137	4,531	4,562	4,543	8.8
Kingman.....	8,543	8,651	8,673	8,512	8,426	-1.4
Kiowa.....	3,470	3,351	3,278	3,132	3,107	-10.5
Labette.....	23,030	22,941	22,835	22,483	22,281	-3.3
Lane.....	2,264	2,174	2,155	2,091	2,000	-11.7
Leavenworth.....	71,299	71,766	68,691	70,261	70,789	-0.7
Lincoln.....	3,338	3,338	3,578	3,547	3,542	6.1
Linn.....	9,158	9,296	9,570	9,685	9,674	5.6
Logan.....	2,987	2,938	3,046	2,957	2,998	0.4

Table 2
Population By County And By Peer Group*
Kansas, 1998-2002

County of Residence	Year					Percent Change 1998-2002
	1998	1999	2000	2001	2002	
Lyon.....	33,920	33,794	35,935	35,560	35,904	5.8
Marion.....	13,593	13,544	13,361	13,423	13,248	-2.5
Marshall.....	11,006	10,908	10,965	10,772	10,583	-3.8
McPherson.....	28,630	28,815	29,554	29,618	29,413	2.7
Meade.....	4,424	4,407	4,631	4,647	4,620	4.4
Miami.....	26,597	27,083	28,351	28,780	28,904	8.7
Mitchell.....	6,936	6,957	6,932	6,778	6,693	-3.5
Montgomery.....	37,089	36,773	36,252	35,520	35,307	-4.8
Morris.....	6,169	6,173	6,104	6,112	6,082	-1.4
Morton.....	3,440	3,489	3,496	3,385	3,360	-2.3
Nemaha.....	10,132	10,182	10,717	10,516	10,463	3.3
Neosho.....	16,760	16,641	16,997	16,759	16,638	-0.7
Ness.....	3,607	3,564	3,454	3,340	3,316	-8.1
Norton.....	5,752	5,635	5,953	5,841	5,879	2.2
Osage.....	17,139	17,199	16,712	16,903	16,928	-1.2
Osborne.....	4,712	4,589	4,452	4,345	4,236	-10.1
Ottawa.....	5,905	5,889	6,163	6,190	6,289	6.5
Pawnee.....	7,437	7,207	7,233	6,979	6,946	-6.6
Phillips.....	6,080	5,958	6,001	5,873	5,871	-3.4
Pottawatomie.....	18,691	18,942	18,209	18,336	18,489	-1.1
Pratt.....	9,700	9,517	9,647	9,544	9,541	-1.6
Rawlins.....	3,125	3,016	2,966	2,918	2,887	-7.6
Reno.....	63,211	63,702	64,790	64,237	63,790	0.9
Republic.....	6,102	5,975	5,835	5,646	5,468	-10.4
Rice.....	10,360	10,233	10,761	10,588	10,501	1.4
Riley.....	63,615	63,708	62,843	60,368	61,480	-3.4
Rooks.....	5,660	5,626	5,685	5,614	5,492	-3.0
Rush.....	3,413	3,365	3,551	3,488	3,492	2.3
Russell.....	7,558	7,459	7,370	7,166	7,055	-6.7
Saline.....	51,617	51,379	53,597	53,646	53,910	4.4
Scott.....	5,018	4,941	5,120	5,002	4,923	-1.9
Sedgwick.....	448,050	451,684	452,869	455,516	461,937	3.1
Seward.....	19,984	20,115	22,510	22,434	23,072	15.5
Shawnee.....	165,348	170,773	169,871	170,080	170,748	3.3
Sheridan.....	2,741	2,674	2,813	2,726	2,641	-3.6
Sherman.....	6,511	6,523	6,760	6,528	6,398	-1.7
Smith.....	4,588	4,575	4,536	4,436	4,365	-4.9
Stafford.....	5,000	4,996	4,789	4,755	4,662	-6.8
Stanton.....	2,265	2,225	2,406	2,408	2,410	6.4
Stevens.....	5,371	5,400	5,463	5,379	5,332	-0.7
Sumner.....	27,043	27,173	25,946	25,749	25,533	-5.6
Thomas.....	8,037	7,965	8,180	8,080	8,092	0.7
Trego.....	3,283	3,261	3,319	3,195	3,140	-4.4
Wabaunsee.....	6,651	6,578	6,885	6,843	6,715	1.0
Wallace.....	1,802	1,801	1,749	1,706	1,692	-6.1
Washington.....	6,490	6,473	6,483	6,321	6,271	-3.4
Wichita.....	2,643	2,578	2,531	2,538	2,502	-5.3
Wilson.....	10,218	10,339	10,332	10,235	10,143	-0.7
Woodson.....	3,983	3,911	3,788	3,758	3,668	-7.9
Wyandotte.....	152,355	151,379	157,882	157,461	158,331	3.9
Peer Group						
Frontier	98,618	97,317	98,627	96,781	95,851	-2.8
Rural	289,298	287,546	291,429	288,158	304,962	5.4
Densely -Settled Rural	422,559	425,183	432,909	430,316	411,426	-2.6
Semi-Urban	530,139	531,629	533,783	531,266	533,777	0.7
Urban	1,288,453	1,312,377	1,331,670	1,348,120	1,369,868	6.3

Source: U.S. Bureau of the Census

* See Technical Notes for Peer Group definition.

Table 3
City Population*
Kansas, 1998-2002

City of Residence	Year					Percent Change 1998-2002
	1998	1999	2000	2001	2002	
Abilene.....	6,500	6,500	6,543	6,468	6,438	-1.0
Andover.....	5,000	5,000	6,698	7,189	7,750	55.0
Arkansas City.....	12,600	12,800	11,963	11,720	12,043	-4.4
Atchison.....	10,600	10,600	10,232	10,140	10,106	-4.7
Augusta.....	9,600	9,800	8,423	8,437	8,493	-11.5
Baldwin City.....	3,400	3,600	3,400	3,503	3,579	5.3
Baxter Springs.....	4,600	4,600	4,602	4,514	4,407	-4.2
Bel Aire.....	5,600	5,900	5,836	6,065	6,424	14.7
Beloit.....	3,900	3,900	4,019	3,925	3,869	-0.8
Bonner Springs.....	6,000	6,000	6,768	6,772	6,815	13.6
Burlington.....	2,800	2,800	2,790	2,765	2,795	-0.2
Chanute.....	9,300	9,300	9,411	9,217	9,128	-1.8
Clay Center.....	4,600	4,500	4,564	4,525	4,484	-2.5
Coffeyville.....	12,300	12,200	11,021	10,728	10,606	-13.8
Colby.....	5,300	5,200	5,450	5,369	5,364	1.2
Columbus.....	3,400	3,400	3,396	3,355	3,301	-2.9
Concordia.....	5,600	5,600	5,714	5,548	5,512	-1.6
Derby.....	16,300	16,400	17,807	18,115	18,908	16.0
De Soto.....	3,300	3,400	4,561	4,665	4,736	43.5
Dodge City.....	22,600	22,800	25,176	25,049	25,345	12.1
Edwardsville.....	3,700	3,700	4,146	4,370	4,439	20.0
El Dorado.....	14,100	14,300	12,057	12,011	12,669	-10.1
Ellsworth.....	2,600	2,500	2,965	2,946	2,923	12.4
Emporia.....	24,900	24,800	26,760	26,469	26,739	7.4
Eudora.....	3,400	3,600	4,307	4,411	4,829	42.0
Eureka.....	3,100	3,000	2,914	2,940	2,888	-6.8
Fairway.....	5,000	5,200	3,952	3,930	3,891	-22.2
Fort Scott.....	8,500	8,400	8,297	8,261	8,113	-4.6
Frederonia.....	2,600	2,600	2,600	2,555	2,547	-2.0
Frontenac.....	2,600	2,600	2,996	2,996	3,064	17.8
Galena.....	3,500	3,500	3,287	3,247	3,189	-8.9
Garden City.....	26,600	27,300	28,451	27,984	27,678	4.1
Gardner.....	6,600	7,500	9,396	10,203	10,701	62.1
Garnett.....	3,300	3,300	3,368	3,391	3,374	2.2
Girard.....	2,900	2,900	2,773	2,743	2,733	-5.8
Goodland.....	4,700	4,700	4,948	4,775	4,678	-0.5
Great Bend.....	14,500	15,000	15,345	15,142	15,066	3.9
Hays.....	18,000	18,000	20,013	19,817	19,908	10.6
Haysville.....	9,300	9,400	8,502	9,077	9,379	0.8
Herington.....	2,800	2,800	2,563	2,516	2,496	-10.9
Hesston.....	3,300	3,300	3,509	3,531	3,580	8.5
Hiawatha.....	3,600	3,500	3,417	3,410	3,366	-6.5
Hillsboro.....	2,900	2,800	2,854	2,862	2,833	-2.3
Hosington.....	3,000	3,100	2,975	2,918	2,977	-0.8
Holton.....	3,400	3,400	3,353	3,334	3,302	-2.9
Hugoton.....	3,400	3,400	3,708	3,643	3,602	5.9
Hutchinson.....	39,800	40,100	40,787	40,349	40,741	2.4
Independence.....	9,500	9,400	9,846	9,607	9,521	0.2
Iola.....	6,300	6,300	6,302	6,193	6,186	-1.8
Junction City.....	17,200	16,900	18,886	18,063	17,753	3.2
Kansas City.....	140,900	140,000	146,866	146,218	146,978	4.3

Table 3
City Population*
Kansas, 1998-2002

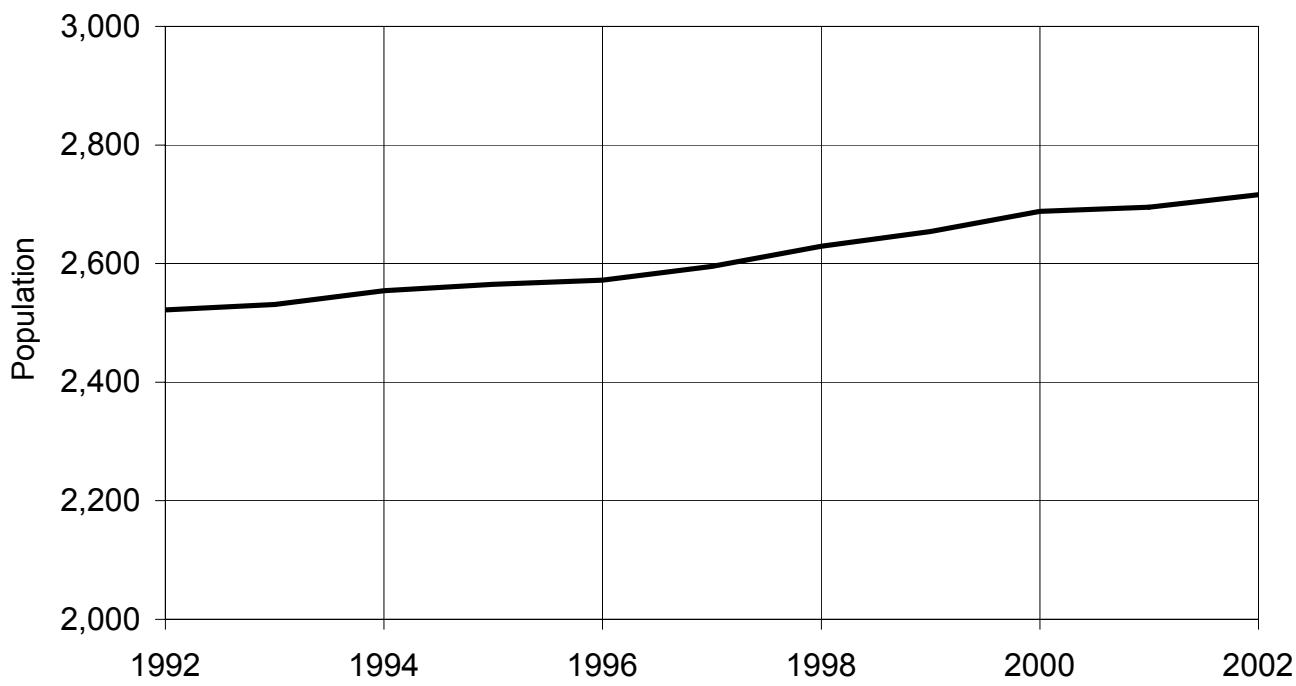
City of Residence	Year					Percent Change 1998-2002
	1998	1999	2000	2001	2002	
Kingman.....	3,300	3,300	3,387	3,301	3,256	-1.3
Lansing.....	7,900	7,900	9,199	9,430	9,526	20.6
Larned.....	4,400	4,300	4,236	4,062	4,038	-8.2
Lawrence.....	74,700	78,900	80,098	79,979	81,604	9.2
Leavenworth.....	42,600	42,900	35,420	35,652	35,410	-16.9
Leawood.....	23,800	24,400	27,656	28,141	28,270	18.8
Lenexa.....	41,200	42,200	40,238	40,787	41,249	0.1
Liberal.....	17,700	17,800	19,666	19,562	20,082	13.5
Lindsborg.....	3,200	3,300	3,321	3,334	3,295	3.0
Louisburg.....	2,300	2,500	2,576	2,668	2,764	20.2
Lyons.....	3,600	3,600	3,732	3,652	3,606	0.2
Manhattan.....	37,300	37,400	44,831	42,960	43,794	17.4
Marysville.....	3,200	3,100	3,271	3,202	3,140	-1.9
McPherson.....	13,000	13,100	13,770	13,762	13,774	6.0
Merriam.....	14,300	14,700	11,008	10,947	10,844	-24.2
Mission.....	11,500	11,800	9,727	9,666	9,578	-16.7
Mission Hills.....	4,200	4,300	3,593	3,577	3,553	-15.4
Mulvane.....	5,200	5,200	5,155	5,245	5,488	5.5
Neodesha.....	2,800	2,900	2,848	2,806	2,768	-1.1
Newton.....	18,500	18,400	17,190	17,224	17,913	-3.2
Norton.....	2,900	2,900	3,012	2,943	2,956	1.9
Olathe.....	76,600	78,500	92,962	96,518	101,413	32.4
Osage City.....	3,000	3,000	3,034	3,043	3,027	0.9
Osawatomie.....	5,200	5,300	4,645	4,635	4,622	-11.1
Ottawa.....	12,000	12,200	11,921	11,844	11,978	-0.2
Overland Park.....	135,200	138,600	149,080	154,450	158,430	17.2
Paola.....	5,300	5,400	5,011	5,033	5,048	-4.8
Park City.....	5,600	5,700	5,814	5,944	6,405	14.4
Parsons.....	11,600	11,500	11,514	11,384	11,289	-2.7
Phillipsburg.....	2,600	2,600	2,668	2,602	2,593	-0.3
Pittsburg.....	18,200	18,200	19,243	19,067	19,086	4.9
Prairie Village.....	28,100	28,700	22,072	21,962	21,764	-22.5
Pratt.....	6,700	6,600	6,570	6,495	6,497	-3.0
Roeland Park.....	9,300	9,600	6,817	6,772	6,705	-27.9
Rose Hill.....	3,500	3,600	3,432	3,525	3,634	3.8
Russell.....	4,600	4,600	4,696	4,567	4,497	-2.2
Sabetha.....	2,400	2,400	2,589	2,574	2,553	6.4
Salina.....	44,300	44,100	45,679	45,729	45,969	3.8
Scott City.....	3,600	3,500	3,855	3,765	3,725	3.5
Shawnee.....	46,000	47,100	47,996	50,971	52,715	14.6
South Hutchinson.....	2,600	2,600	2,539	2,525	2,503	-3.7
Spring Hill.....	2,400	2,500	2,727	3,063	3,357	39.9
Sterling.....	2,300	2,300	2,642	2,607	2,591	12.7
Tonganoxie.....	2,900	3,000	2,728	3,030	3,169	9.3
Topeka.....	123,100	127,200	122,377	121,885	122,103	-0.8
Ulysses.....	6,100	6,000	5,960	5,857	5,918	-3.0
Valley Center.....	4,000	4,100	4,883	4,913	5,008	25.2
Wamego.....	4,300	4,400	4,246	4,220	4,216	-2.0
Wellington.....	8,800	8,800	8,647	8,515	8,421	-4.3
Wichita.....	337,400	340,200	344,284	344,631	355,126	5.3
Winfield.....	11,700	11,900	12,206	12,158	12,214	4.4

* Includes cities with populations of 2,500 or more as reported by the 2000 U.S. Census.

Source: KDHE, U.S. Bureau of the Census

Total Population

Kansas, 1992-2002* (in Thousands)

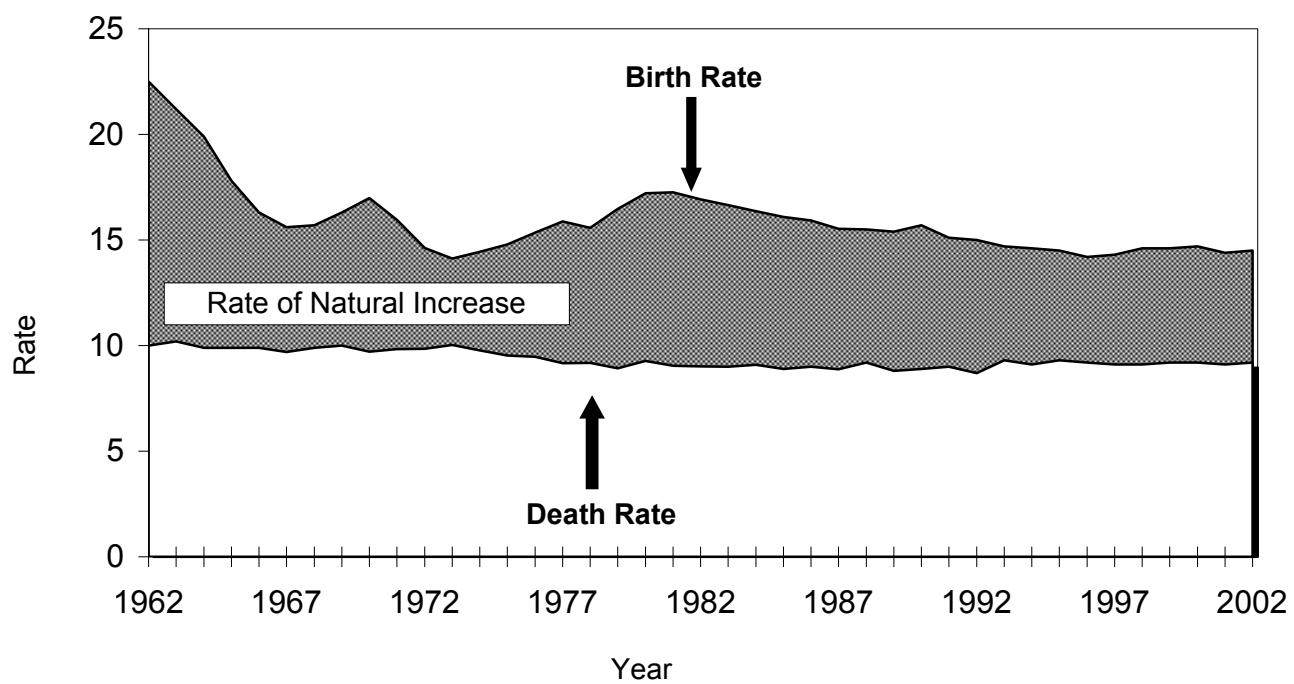


*U.S. Census Bureau Estimates
2000 Actual Counts

Year
Figure 4

Rate of Natural Increase

Kansas, 1962-2002



Rate per 1,000 Population

Year
Figure 5

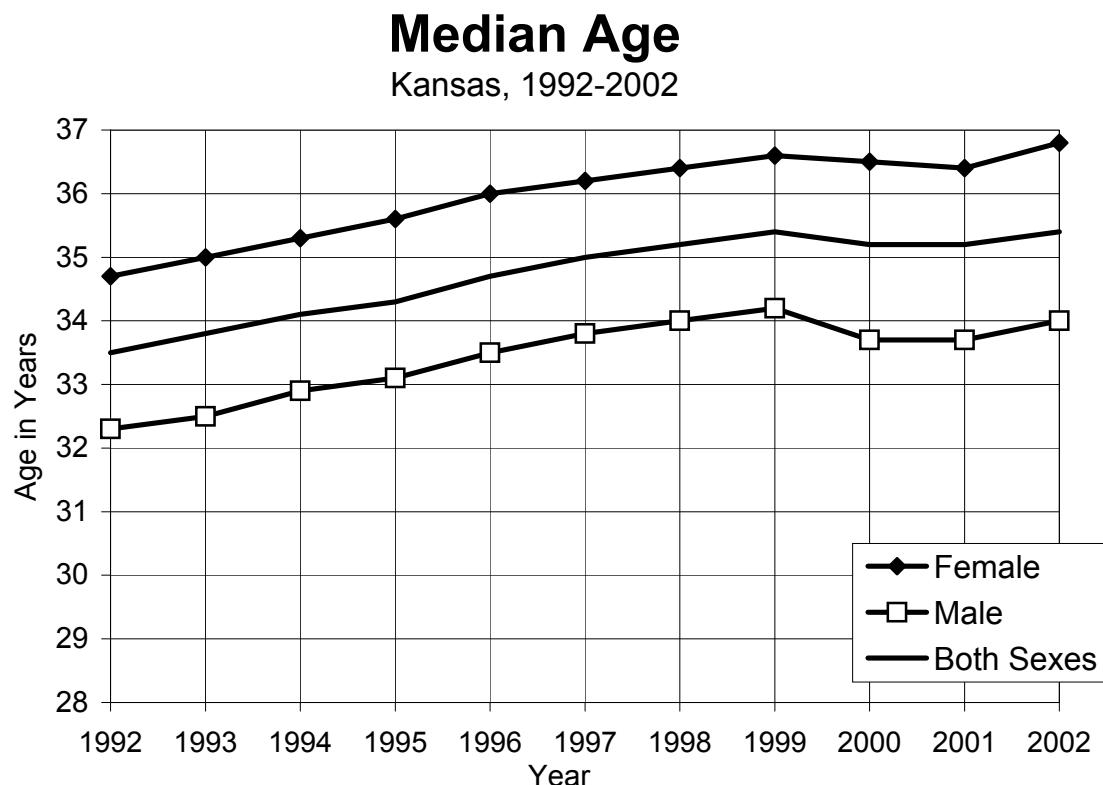


Figure 6

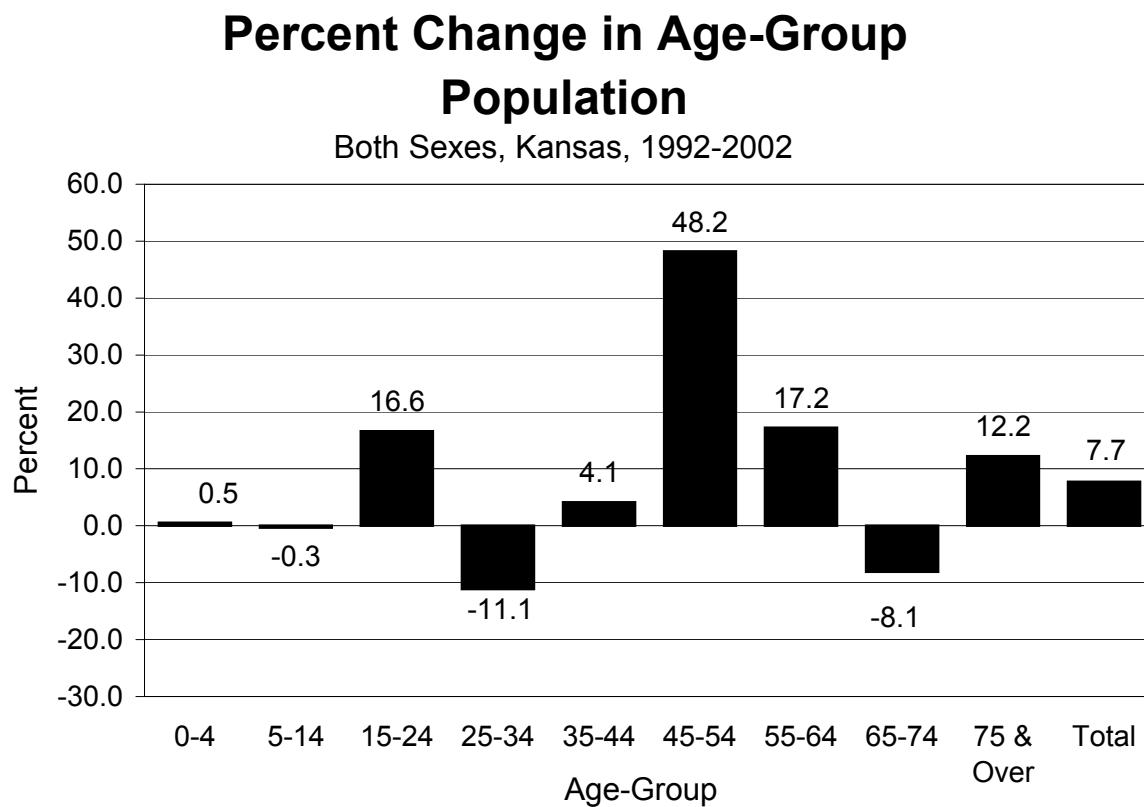


Figure 7

Table 4
Kansas Population By Age-Group And Sex*
1992-2002
(In Thousands)

Age-Group	Year											Change 1992-2002
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
Both Sexes												
0-4.....	187	186	184	183	180	179	182	184	189	189	188	0.5
5-14.....	387	391	395	394	387	385	389	388	400	401	386	-0.3
15-24.....	355	356	359	362	366	376	389	398	400	401	414	16.6
25-34.....	396	385	378	372	364	356	347	340	349	350	352	-11.1
35-44.....	388	393	403	411	417	423	426	427	420	421	404	4.1
45-54.....	255	265	278	289	302	317	329	343	354	355	378	48.2
55-64.....	204	202	203	203	203	207	213	220	220	221	239	17.2
65-74.....	186	186	187	183	182	179	178	175	176	176	171	-8.1
75 and Over.....	164	167	167	168	170	173	176	179	180	181	184	12.2
Total.....	2,522 **	2,531 **	2,554 **	2,565 **	2,572 **	2,595 **	2,629 **	2,654 **	2,688 **	2,695 **	2,716 **	7.7
Median Age	33.5	33.8	34.1	34.3	34.7	35.0	35.2	35.4	35.2	35.2	35.4	5.7
Males												
0-4.....	96	95	95	94	93	92	94	94	97	97	97	1.0
5-14.....	199	201	203	203	199	198	200	199	205	206	198	-0.5
15-24.....	183	184	185	186	189	194	200	205	207	207	214	16.9
25-34.....	200	194	191	188	183	179	173	170	179	179	181	-9.5
35-44.....	196	199	204	208	211	214	216	216	210	211	202	3.1
45-54.....	126	131	137	143	149	157	162	169	178	178	189	50.0
55-64.....	98	97	98	97	98	100	103	106	107	107	116	18.4
65-74.....	83	84	84	83	82	81	81	79	80	80	78	-6.0
75 and Over.....	58	59	59	60	61	63	64	66	66	66	68	17.2
Total.....	1,239	1,244	1,256	1,262	1,266	1,278	1,292	1,305	1,328	1,332	1,344	8.5
Median Age	32.3	32.5	32.9	33.1	33.5	33.8	34.0	34.2	33.7	33.7	34.0	5.3
Females												
0-4.....	91	90	90	89	88	87	89	90	92	92	91	0.0
5-14.....	188	190	192	192	188	187	189	188	194	195	188	0.0
15-24.....	172	173	174	175	177	182	189	193	193	194	200	16.3
25-34.....	196	191	187	184	181	177	174	170	170	171	171	-12.8
35-44.....	192	194	199	203	206	209	211	211	210	211	202	5.2
45-54.....	129	134	141	147	153	161	167	174	176	177	188	45.7
55-64.....	106	105	105	105	105	107	111	114	113	113	122	15.1
65-74.....	103	103	103	101	100	98	97	96	96	96	93	-9.7
75 and Over.....	106	108	108	108	109	110	112	113	115	115	116	9.4
Total.....	1,283	1,288	1,298	1,304	1,306	1,317	1,337	1,349	1,360	1,363	1,372	6.9
Median Age	34.7	35.0	35.3	35.6	36.0	36.2	36.4	36.6	36.5	36.4	36.8	6.1

*U.S. Census Bureau estimates for July 1, 1992-1999 and 2002.

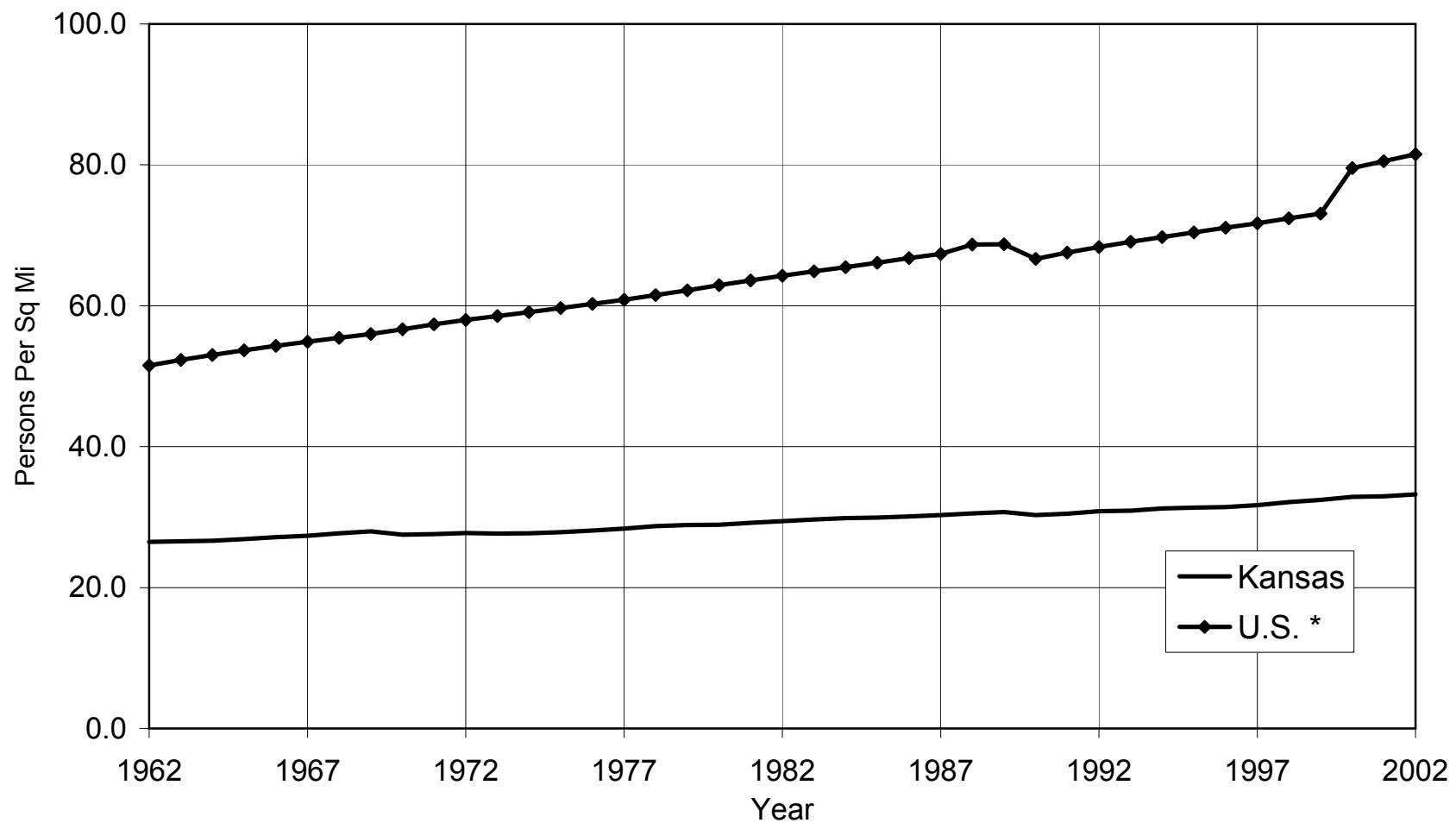
U.S. Census Bureau count for 2000 is for April 1.

KDHE estimates for 2001 based on 2000 Census.

**Estimates may not add to totals due to rounding. See Technical Notes.

Population Density

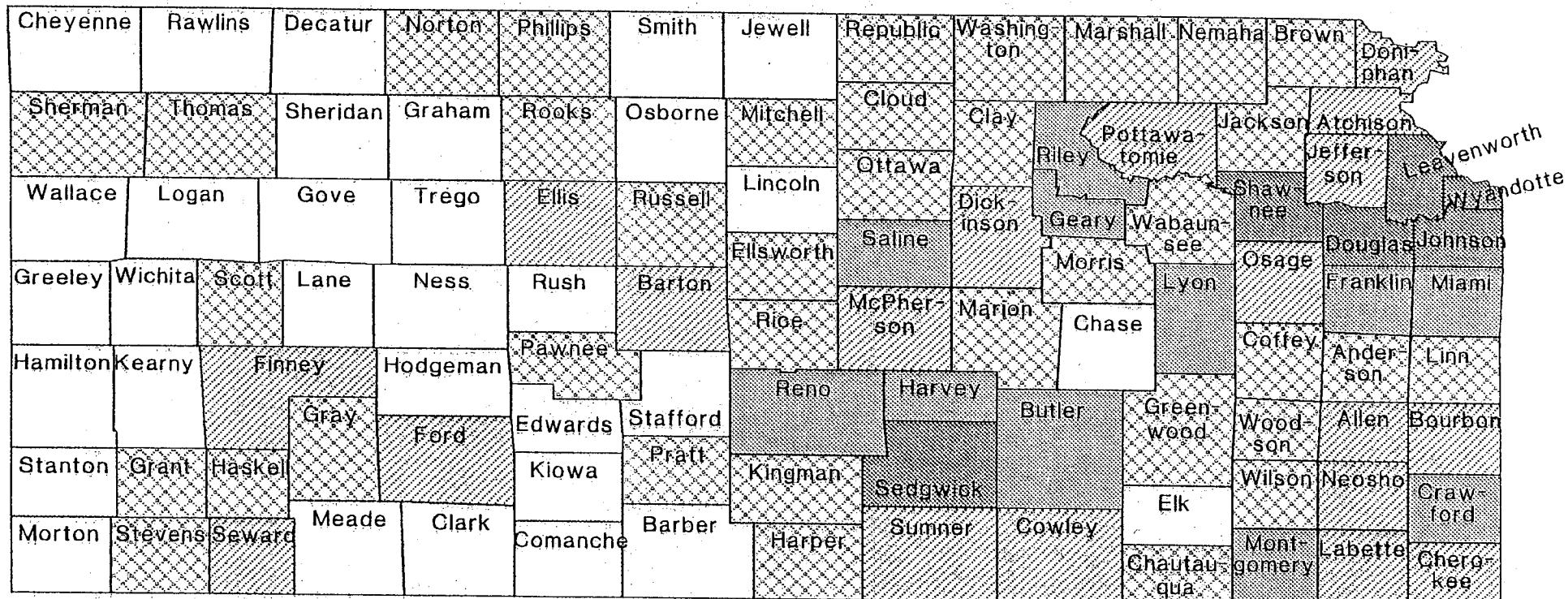
Kansas and the U.S., 1962-2002



Source: Kansas and U.S. Statistical
Abstracts and U.S. Census Bureau

Figure 8

Population Density By County Of Residence Kansas, 2002



Inhabitants Per Square Mile

State Population Density: 33.2

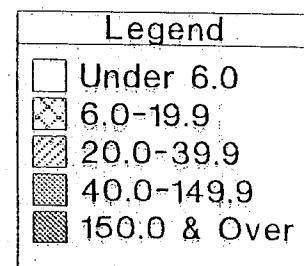


Figure 9

Pregnancy Outcomes

During 2002, 39,338 live births occurred to Kansas residents, representing a birth rate of 14.5 per 1,000 population. This was a 0.7 increase from the 2001 rate of 14.4. ([Table 5](#))

In 2002, Seward, Geary, Finney and Grant counties had the highest county birth rates of 23.0, 22.0, 19.8, and 19.8 births per 1,000 population respectively. Liberal, Garden City and Junction City had the highest 2002 city birth rates of 25.2, 22.9, and 22.7 births per 1,000 population respectively. ([Tables 5 and 6](#), [Figure 11](#))

Seward, Geary and Finney counties had the highest five-year county birth rates of 23.9, 22.6, and 22.3 births per 1,000 population respectively. ([Table 5](#))

Since 1960, birth rates for Kansas have followed national trends and steadily declined. Kansas birth rates have decreased 35.6 percent during the last 40 years from a rate of 22.5 births per 1,000 population in 1962 to a rate of 14.5 in 2002. In 2002, the Kansas birth rate (14.5) was 4.3 percent higher than the national rate of 13.9. ([Table 7](#), [Figure 10](#))

Kansas fertility rates have followed national trends and indicate a steady decline from 118.5 to 68.6 births per 1,000 female population aged 15-44 in 1962 and 2002 respectively. The increase in the fertility rate from 1989 to 1990 and from 1999 to 2000 can be explained, in part, by the use of actual census counts for the 1990 and 2000 female population. The Kansas fertility rate in 2002 (68.6) was 5.9 percent higher than the national rate of 64.8. ([Table 7](#), [Figure 12](#))

Age-specific fertility rates for Kansas during the years 1992-2002 decreased 13.2 percent for the 15-24 age-group. Concurrently, age-specific fertility rates increased 16.3 percent for the 25-34 age-group and 25.6 percent for the 35-44 age-group. ([Table 8](#), [Figure 13](#))

In 2002, 39.2 percent of all Kansas live births occurred to women in the 15-24 age-group, 49.6 percent of live births occurred to women in the 25-34 age-group and 10.9 percent occurred to women in the 35-44 age-group. For comparison, in 2002, 24.6 percent of all Kansas live births had fathers in the 15-24 age-group, 53.9 percent had fathers in the 25-34 age-group, and 19.4 percent had fathers in the 35-44 age group. ([Tables 9 and 10](#))

Of the births to mothers 10-19 years of age, where the age of the father is known, nearly one-third (32.9 percent) of fathers were 10-19 while over two-thirds (67.1 percent) of fathers were 20 and over. ([Table 9](#))

Over eight percent (8.6) of live births in 2002 were preterm (less than 37 completed weeks of gestation) while 91 percent (91.4) occurred at 37 or more weeks of gestation. ([Table 11](#))

In 2002, 86.8 percent of all Kansas resident births were to mothers who received prenatal care that began in the first trimester (first 3 months) of pregnancy, 10.4 percent began in the second trimester, and 2.1 percent began in the third trimester. Less than 1 percent (0.7) received no prenatal care. ([Table 12](#))

Pregnancy Outcomes (Cont.)

Of the 39,338 Kansas resident live births in 2002, 80.4 percent received adequate or better prenatal care, including 25.1 percent with adequate-plus care; 19.6 percent received less than adequate prenatal care, including 8.7 percent with inadequate care. ([Table 13](#))

Doniphan county had the highest percentage of mothers with adequate or better prenatal care (94.0 percent) followed by Smith (93.1 percent) and Linn counties (93.0 percent). Gray county had the lowest percentage of adequate or better prenatal care (50.5 percent), followed by Graham (52.4 percent) and Hodgeman counties (57.1 percent). ([Table 13](#))

In 2002, 81.7 percent of Kansas live births both occurred to women 15-34 years of age and weighed between 2,500-4,499 grams. ([Table 15](#))

Birth weights for Kansas live births in 2002 were distributed as follows: 7.0 percent of live births weighed under 2,500 grams (low birth weight), 91.7 percent weighed 2,500-4,499 grams (normal birth weight), and 1.3 percent weighed over 4,499 grams (heavy birth weight). ([Tables 14](#) and [15](#))

In 2002, 37.9 percent of Kansas live births were first births. Of the 14,915 first births, 56.7 percent occurred to women in the 15-24 age-group. ([Table 16](#), [Figure 14](#))

In 2002, 88.5 percent of Kansas live births were to white mothers, 7.3 percent were to black mothers, and 4.2 percent were to mothers of other races. Furthermore, 51.0 percent of Kansas live births were male and 49.0 percent were female. ([Table 17](#))

In 2002, there were 12,121 out-of-wedlock births to Kansas residents. Of those births, 70.7 percent occurred to women in the 15-24 age-group. For comparison, in 1992, 72.6 percent of the 9,183 out-of-wedlock births occurred to women in this age group. ([Table 18](#))

The out-of-wedlock birth ratio has continued an upward trend over the years in both Kansas and the U.S. Out-of-wedlock births comprised 30.8 percent of all live births that occurred to Kansas residents in 2002, a 26.7 percent increase from 24.3 percent of live births in 1992. The out-of-wedlock birth ratio in 2002 was 8.9 percent lower than the U.S. proportion (33.8 percent) of births to unmarried women. ([Table 1](#), [Figure 15](#))

The pregnancy rate for females ages 10-19 decreased 18.7 percent from 34.8 pregnancies per 1,000 in 1992 to 28.3 in 2002. Teen pregnancy rates for females ages 10-17 decreased 26.6 percent during this same time frame. ([Table 19](#), [Figure 18](#))

In 2002, 87.7 percent of non-teen mothers of live births received prenatal care in the first trimester of pregnancy, while only 73.6 percent of teen mothers received prenatal care in the first trimester. The percent of teens who received no prenatal care (1.2) was higher than that for non-teens (0.6). ([Figure 16](#))

Of the births to teenage women in 2002, 84.0 percent were to whites and 12.9 percent were to blacks. For comparison, in 1992, 79.5 percent of births to teenage women were to whites and 18.2 percent were to blacks. ([Figure 17](#))

Pregnancy Outcomes (Cont.)

Teenage pregnancy rates for black mothers fell more steeply from 1992-2002 than rates for other population groups. The pregnancy rate for black females ages 10-19 decreased 39.0 percent from 79.5 pregnancies per 1,000 in 1992 to 48.5 in 2002. Black teens still have one of the highest rates. Although the rate for Hispanic teens (10-19) has declined since 1998, they have the highest rates overall for any population group. ([Table 20](#))

In 2002, 58.6 percent of the reported fetal deaths occurred to mothers in the 20-29 age-group. ([Table 23](#))

Fetal death rates in 2002 were highest for unmarried mothers: 5.3 per 1,000 live births plus fetal deaths. ([Figure 19](#))

In 2002, the abortion ratio for Kansas residents was 160.1 abortions per 1,000 live births, a decrease of 2.7 percent from the 164.6 ratio in 1992. Ratios increased from 1991 to a high of 186.3 in 1996, then generally declined for the next six years. ([Figure 20](#), [Table 24](#))

The abortion ratio for Kansas residents in 2002 varied substantially by age-group. The ratio per 1,000 live births was highest for women under 20 years of age. Since 1980, the abortion ratio declined for women in age groups under 20 and above 29. ([Figure 21](#))

In 2002, 6,298 abortions reported were performed for Kansas residents and 5,546 were performed for non-Kansans. Of the 6,298 resident abortions, 79 occurred out of state. ([Figure 23](#), [Tables 24 and 26](#))

Of Kansas residents having abortions, 55.0 percent were in the 15-24 age-group, 81.1 percent were unmarried and 75.4 percent were white. ([Figure 23](#), [Table 25](#))

In 2002, 59.4 percent of all reported abortions occurred prior to nine completed weeks of gestational age. Fourteen (14.4) percent of teenage women obtained an abortion after 16 weeks gestation, compared to 7.1 percent of women 20 and older. ([Table 26](#), [Figure 24](#))

Eighty-one percent (81.7) of all reported abortions in 2002 were to unmarried women. Among black women, 89.0 percent were unmarried, while 80.9 percent of white women and 75.8 percent of Hispanic women were unmarried. ([Table 27](#))

Eighty-four percent (84.2) of all reported abortions were performed prior to the 13th week of gestation. Suction curettage was the procedure used in 79.7 percent of these terminations. Only 8.5 percent of induced terminations were performed after 16 weeks gestation, and 52.2 percent of these used Digoxin/Induction and 46.8 percent used dilation and evacuation. ([Table 29](#))

The percentage of women who obtained an abortion early in pregnancy (less than 9 weeks of gestation) increased with age up to 30-34 years of age, and the percentage who obtained an abortion late in pregnancy (greater than 21 weeks of gestation) decreased with age for women up to 20-24 years of age and generally increased in older age-groups. ([Figure 25](#))

Table 5
 Live Births By Number And Rate*
 By County Of Residence And By Peer Group**
 Kansas, 1998-2002

County of Residence	Year										5-Year Rate	
	1998		1999		2000		2001		2002			
	Number	Rate										
Kansas.....	38,372	14.6	38,748	14.6	39,654	14.7	38,832	14.4	39,338	14.5	14.6	
Allen.....	153	10.5	187	13.0	198	13.8	172	12.1	159	11.2	12.1	
Anderson.....	115	14.3	104	12.8	111	13.7	103	12.6	100	12.3	13.1	
Atchison.....	227	13.4	193	11.4	209	12.5	212	12.7	213	12.8	12.6	
Barber.....	51	9.5	54	10.3	40	7.5	39	7.6	39	7.7	8.5	
Barton.....	382	13.8	382	13.3	343	12.2	328	11.8	357	12.9	12.8	
Bourbon.....	188	12.3	190	12.7	206	13.4	189	12.3	212	14.0	12.9	
Brown.....	137	12.4	125	11.4	147	13.7	136	12.8	141	13.4	12.7	
Butler.....	790	12.8	758	12.1	775	13.0	751	12.5	727	12.0	12.5	
Chase.....	54	18.3	42	14.7	29	9.6	46	15.2	31	10.6	13.7	
Chautauqua.....	41	9.4	33	7.7	39	8.9	29	6.8	37	8.8	8.3	
Cherokee.....	276	12.2	290	12.9	279	12.3	273	12.2	308	14.0	12.7	
Cheyenne.....	32	10.1	22	6.8	38	12.0	24	7.7	23	7.4	8.8	
Clark.....	22	9.3	30	12.8	30	12.6	25	10.5	21	8.8	10.8	
Clay.....	104	11.4	92	10.3	97	11.0	87	9.9	97	11.1	10.7	
Cloud.....	108	10.8	105	10.5	102	9.9	102	10.2	116	11.7	10.6	
Coffey.....	88	10.1	99	11.3	109	12.3	103	11.7	107	12.0	11.5	
Comanche.....	26	12.9	16	8.2	26	13.2	23	11.7	15	7.6	10.7	
Cowley.....	418	11.5	508	13.7	457	12.6	513	14.3	479	13.1	13.0	
Crawford.....	554	15.2	531	14.6	580	15.2	497	13.1	508	13.4	14.3	
Decatur.....	31	9.0	23	6.8	36	10.4	28	8.2	26	7.6	8.4	
Dickinson.....	209	10.6	225	11.5	232	12.0	226	11.8	195	10.2	11.2	
Doniphan.....	116	14.8	95	11.9	96	11.6	79	9.5	85	10.3	11.6	
Douglas.....	1,167	12.5	1,201	12.2	1,182	11.8	1,203	12.0	1,208	11.8	12.1	
Edwards.....	50	15.1	37	11.3	53	15.4	38	11.4	39	11.7	13.0	
Elk.....	29	8.7	22	6.5	32	9.8	31	9.7	36	11.5	9.2	
Ellis.....	311	11.8	357	13.6	334	12.1	359	13.2	351	12.9	12.7	
Ellsworth.....	60	9.5	67	10.8	43	6.6	51	7.9	44	6.9	8.3	
Finney.....	914	25.0	887	23.7	921	22.7	822	20.5	786	19.8	22.3	
Ford.....	656	22.3	669	22.6	655	20.2	649	20.1	627	19.2	20.9	
Franklin.....	356	14.4	371	14.8	353	14.2	377	15.1	374	14.8	14.7	
Geary.....	635	25.0	590	23.7	565	20.2	598	22.3	580	22.0	22.6	
Gove.....	37	12.1	31	10.2	37	12.1	35	11.6	23	7.7	10.7	
Graham.....	26	8.1	27	8.7	23	7.8	14	4.9	22	7.7	7.4	
Grant.....	165	20.6	160	20.3	138	17.4	156	20.0	156	19.8	19.6	
Gray.....	110	19.7	85	15.2	98	16.6	93	15.6	92	15.2	16.5	
Greeley.....	23	13.5	17	10.3	19	12.4	20	13.3	22	14.9	12.9	
Greenwood.....	83	10.2	78	9.8	94	12.3	74	9.5	85	11.1	10.6	
Hamilton.....	38	16.2	47	19.8	45	16.9	45	16.8	49	18.4	17.6	
Harper.....	69	10.7	70	11.1	69	10.6	58	9.2	72	11.5	10.6	
Harvey.....	409	11.9	458	13.4	447	13.6	418	12.7	445	13.3	13.0	
Haskell.....	75	18.9	82	20.3	81	18.8	65	15.2	67	15.6	17.8	
Hodgeman.....	16	7.2	27	12.1	15	7.2	18	8.4	21	9.8	8.9	
Jackson.....	157	12.9	150	12.3	164	13.0	155	12.2	166	13.0	12.7	
Jefferson.....	218	11.9	229	12.6	192	10.4	219	11.8	201	10.8	11.5	
Jewell.....	31	8.0	34	9.0	19	5.0	18	5.0	20	5.7	6.5	
Johnson.....	6,415	14.9	6,626	15.1	6,989	15.5	7,027	15.1	7,244	15.2	15.2	
Kearny.....	63	15.1	93	22.5	70	15.4	87	19.1	66	14.5	17.3	
Kingman.....	89	10.4	97	11.2	101	11.6	83	9.8	95	11.3	10.9	
Kiowa.....	40	11.5	39	11.6	34	10.4	40	12.8	38	12.2	11.7	
Labette.....	276	12.0	284	12.4	256	11.2	285	12.7	289	13.0	12.3	
Lane.....	28	12.4	20	9.2	16	7.4	17	8.1	17	8.5	9.1	
Leavenworth.....	842	11.8	868	12.1	891	13.0	940	13.4	926	13.1	12.7	
Lincoln.....	25	7.5	36	10.8	48	13.4	36	10.1	41	11.6	10.7	
Linn.....	100	10.9	111	11.9	126	13.2	122	12.6	103	10.6	11.8	
Logan.....	31	10.4	45	15.3	38	12.5	26	8.8	36	12.0	11.8	

Table 5
 Live Births By Number And Rate*
 By County Of Residence And By Peer Group**
 Kansas, 1998-2002

County of Residence	Year										5-Year Rate	
	1998		1999		2000		2001		2002			
	Number	Rate										
Lyon.....	463	13.6	531	15.7	540	15.0	546	15.4	516	14.4	14.8	
Marion.....	151	11.1	147	10.9	141	10.6	139	10.4	122	9.2	10.4	
Marshall.....	119	10.8	111	10.2	106	9.7	123	11.4	104	9.8	10.4	
McPherson.....	372	13.0	334	11.6	346	11.7	360	12.2	344	11.7	12.0	
Meade.....	64	14.5	66	15.0	77	16.6	74	15.9	52	11.3	14.7	
Miami.....	366	13.8	384	14.2	377	13.3	392	13.6	356	12.3	13.4	
Mitchell.....	64	9.2	62	8.9	61	8.8	67	9.9	71	10.6	9.5	
Montgomery.....	460	12.4	462	12.6	482	13.3	456	12.8	493	14.0	13.0	
Morris.....	69	11.2	59	9.6	69	11.3	62	10.1	46	7.6	10.0	
Morton.....	45	13.1	57	16.3	62	17.7	60	17.7	59	17.6	16.5	
Nemaha.....	169	16.7	154	15.1	136	12.7	134	12.7	126	12.0	13.8	
Neosho.....	197	11.8	171	10.3	216	12.7	203	12.1	200	12.0	11.8	
Ness.....	39	10.8	29	8.1	31	9.0	32	9.6	31	9.3	9.4	
Norton.....	50	8.7	43	7.6	72	12.1	45	7.7	61	10.4	9.3	
Osage.....	192	11.2	191	11.1	192	11.5	155	9.2	201	11.9	11.0	
Osborne.....	36	7.6	43	9.4	35	7.9	34	7.8	38	9.0	8.3	
Ottawa.....	61	10.3	71	12.1	80	13.0	78	12.6	65	10.3	11.7	
Pawnee.....	75	10.1	83	11.5	77	10.6	58	8.3	67	9.6	10.0	
Phillips.....	56	9.2	59	9.9	88	14.7	52	8.9	66	11.2	10.8	
Pottawatomie.....	266	14.2	255	13.5	264	14.5	261	14.2	272	14.7	14.2	
Pratt.....	109	11.2	105	11.0	118	12.2	105	11.0	124	13.0	11.7	
Rawlins.....	29	9.3	19	6.3	26	8.8	22	7.5	20	6.9	7.8	
Reno.....	838	13.3	820	12.9	886	13.7	866	13.5	842	13.2	13.3	
Republic.....	68	11.1	44	7.4	47	8.1	44	7.8	50	9.1	8.7	
Rice.....	129	12.5	116	11.3	127	11.8	141	13.3	117	11.1	12.0	
Riley.....	904	14.2	959	15.1	901	14.3	935	15.5	945	15.4	14.9	
Rooks.....	60	10.6	64	11.4	53	9.3	68	12.1	56	10.2	10.7	
Rush.....	30	8.8	37	11.0	46	13.0	27	7.7	40	11.5	10.4	
Russell.....	89	11.8	62	8.3	80	10.9	60	8.4	58	8.2	9.5	
Saline.....	813	15.8	705	13.7	752	14.0	765	14.3	753	14.0	14.4	
Scott.....	55	11.0	77	15.6	61	11.9	60	12.0	70	14.2	12.9	
Sedgwick.....	7,468	16.7	7,548	16.7	7,838	17.3	7,420	16.3	7,562	16.4	16.7	
Seward.....	486	24.3	521	25.9	534	23.7	511	22.8	530	23.0	23.9	
Shawnee.....	2,389	14.4	2,362	13.8	2,463	14.5	2,436	14.3	2,513	14.7	14.3	
Sheridan.....	21	7.7	27	10.1	23	8.2	31	11.4	27	10.2	9.5	
Sherman.....	100	15.4	99	15.2	82	12.1	74	11.3	78	12.2	13.2	
Smith.....	38	8.3	24	5.2	34	7.5	26	5.9	29	6.6	6.7	
Stafford.....	71	14.2	64	12.8	46	9.6	48	10.1	46	9.9	11.3	
Stanton.....	38	16.8	39	17.5	44	18.3	45	18.7	34	14.1	17.1	
Stevens.....	80	14.9	89	16.5	98	17.9	94	17.5	83	15.6	16.5	
Sumner.....	341	12.6	325	12.0	324	12.5	332	12.9	341	13.4	12.7	
Thomas.....	105	13.1	95	11.9	106	13.0	94	11.6	108	13.3	12.6	
Trego.....	29	8.8	31	9.5	32	9.6	33	10.3	31	9.9	9.6	
Wabaunsee.....	68	10.2	88	13.4	79	11.5	78	11.4	73	10.9	11.5	
Wallace.....	24	13.3	19	10.5	22	12.6	24	14.1	14	8.3	11.8	
Washington.....	68	10.5	73	11.3	62	9.6	65	10.3	57	9.1	10.2	
Wichita.....	39	14.8	43	16.7	27	10.7	26	10.2	35	14.0	13.3	
Wilson.....	132	12.9	130	12.6	124	12.0	91	8.9	124	12.2	11.7	
Woodson.....	42	10.5	35	8.9	31	8.2	32	8.5	37	10.1	9.2	
Wyandotte.....	2,729	17.9	2,797	18.5	2,809	17.8	2,784	17.7	2,914	18.4	18.1	
Peer Group												
Frontier	1,085	11.0	1,096	11.3	1,107	11.2	1,044	10.8	995	10.4	10.9	
Rural	3,491	12.1	3,388	11.8	3,463	11.9	3,229	11.2	3,287	11.5	11.7	
Densely -Settled Rural ..	6,198	14.7	6,293	14.8	6,254	14.4	6,148	14.3	6,150	14.3	14.5	
Semi-Urban	7,430	14.0	7,437	14.0	7,549	14.1	7,541	14.2	7,465	14.0	14.1	
Urban	20,168	15.7	20,534	15.6	21,281	16.0	20,870	15.5	21,441	15.7	15.7	

*Rate per 1,000 population

** See Technical Notes for Peer Group definition.

Table 6
 Live Births By Number And Rate*
 By Selected City Of Residence
 Kansas, 1998-2002

City of Residence											5-Year Rate
	1998		1999		2000		2001		2002		
	Number	Rate									
Abilene.....	94	14.5	90	13.8	94	14.4	83	12.8	70	10.9	13.3
Andover.....	113	22.6	91	18.2	116	17.3	99	13.8	111	14.3	17.2
Anthony.....	36	15.7	35	15.9	35	14.3	35	14.8	32	13.7	14.9
Arkansas City.....	175	13.9	183	14.3	152	12.7	213	18.2	206	17.1	15.2
Atchison.....	163	15.4	136	12.8	158	15.4	160	15.8	149	14.7	14.8
Augusta.....	154	16.0	130	13.3	146	17.3	147	17.4	152	17.9	16.4
Baldwin City.....	35	10.3	35	9.7	27	7.9	43	12.3	37	10.3	10.1
Baxter Springs.....	52	11.3	77	16.7	63	13.7	68	15.1	80	18.2	15.0
Belleville.....	34	14.2	17	7.4	18	8.0	17	7.9	20	9.5	9.4
Beloit.....	38	9.7	36	9.2	35	8.7	39	9.9	49	12.7	10.0
Bonner Springs.....	107	17.8	107	17.8	115	17.0	108	15.9	102	15.0	16.7
Burlington.....	23	8.2	36	12.9	34	12.2	34	12.3	38	13.6	11.8
Chanute.....	122	13.1	105	11.3	142	15.1	137	14.9	132	14.5	13.8
Cherryvale.....	25	10.4	27	11.7	47	19.7	28	12.0	30	13.0	13.4
Clay Center.....	57	12.4	46	10.2	52	11.4	49	10.8	49	10.9	11.1
Coffeyville.....	148	12.0	150	12.3	166	15.1	148	13.8	160	15.1	13.7
Colby.....	73	13.8	73	14.0	77	14.1	73	13.6	83	15.5	14.2
Columbus.....	57	16.8	49	14.4	49	14.4	47	14.0	45	13.6	14.6
Concordia.....	66	11.8	61	10.9	60	10.5	58	10.5	73	13.2	11.4
Derby.....	241	14.8	224	13.7	256	14.4	242	13.4	277	14.6	14.2
Dodge City.....	600	26.5	607	26.6	598	23.8	588	23.5	561	22.1	24.5
Edwardsville.....	50	13.5	65	17.6	63	15.2	52	11.9	58	13.1	14.3
El Dorado.....	186	13.2	196	13.7	197	16.3	194	16.2	200	15.8	15.0
Ellinwood.....	15	6.8	27	11.7	24	11.1	24	11.3	15	7.1	9.6
Emporia.....	377	15.1	453	18.3	453	16.9	453	17.1	431	16.1	16.7
Eudora.....	77	22.6	77	21.4	85	19.7	93	21.1	81	16.8	20.3
Eureka.....	40	12.9	33	11.0	31	10.6	41	13.9	30	10.4	11.8
Fairway.....	68	13.6	63	12.1	66	16.7	72	18.3	55	14.1	15.0
Fort Scott.....	133	15.6	117	13.9	129	15.5	127	15.4	147	18.1	15.7
Fredonia.....	33	12.7	41	15.8	30	11.5	30	11.7	36	14.1	13.2
Frontenac.....	34	13.1	36	13.8	33	11.0	30	10.0	24	7.8	11.1
Galena.....	43	12.3	42	12.0	48	14.6	39	12.0	50	15.7	13.3
Garden City.....	726	27.3	723	26.5	763	26.8	701	25.1	634	22.9	25.7
Garnett.....	53	16.1	50	15.2	59	17.5	50	14.7	56	16.6	16.0
Girard.....	28	9.7	36	12.4	49	17.7	39	14.2	33	12.1	13.2
Goodland.....	86	18.3	78	16.6	70	14.1	57	11.9	66	14.1	15.0
Great Bend.....	264	18.2	247	16.5	225	14.7	206	13.6	254	16.9	16.0
Hays.....	224	12.4	278	15.4	247	12.3	288	14.5	266	13.4	13.6
Haysville.....	117	12.6	109	11.6	133	15.6	139	15.3	138	14.7	14.0
Herington.....	33	11.8	29	10.4	33	12.9	36	14.3	33	13.2	12.5
Hesston.....	39	11.8	42	12.7	41	11.7	37	10.5	53	14.8	12.3
Hiawatha.....	44	12.2	47	13.4	51	14.9	52	15.2	54	16.0	14.3
Hillsboro.....	31	10.7	29	10.4	35	12.3	27	9.4	28	9.9	10.5
Hoisington.....	38	12.7	47	15.2	33	11.1	39	13.4	30	10.1	12.5
Holton.....	52	15.3	30	8.8	46	13.7	46	13.8	50	15.1	13.3
Hugoton.....	56	16.5	64	18.8	78	21.0	61	16.7	67	18.6	18.3
Hutchinson.....	578	14.5	584	14.6	624	15.3	613	15.2	602	14.8	14.9
Independence.....	167	17.6	156	16.6	150	15.2	157	16.3	160	16.8	16.5
Iola.....	84	13.3	95	15.1	112	17.8	95	15.3	85	13.7	15.0
Junction City.....	474	27.6	452	26.7	408	21.6	445	24.6	403	22.7	24.6
Kansas City.....	2,554	18.1	2,611	18.7	2,614	17.8	2,608	17.8	2,737	18.6	18.2

Table 6
 Live Births By Number And Rate*
 By Selected City Of Residence
 Kansas, 1998-2002

City of Residence											5-Year Rate	
	1998		1999		2000		2001		2002			
	Number	Rate										
Kingman.....	45	13.6	65	19.7	50	14.8	41	12.4	48	14.7	15.0	
Lansing.....	79	10.0	70	8.9	105	11.4	68	7.2	109	11.4	9.8	
Larned.....	53	12.0	59	13.7	48	11.3	40	9.8	52	12.9	11.9	
Lawrence.....	974	13.0	987	12.5	975	12.2	987	12.3	990	12.1	12.4	
Leavenworth.....	550	12.9	536	12.5	558	15.8	611	17.1	588	16.6	15.0	
Leawood.....	271	11.4	274	11.2	305	11.0	239	8.5	267	9.4	10.3	
Lenexa.....	471	11.4	521	12.3	532	13.2	494	12.1	595	14.4	12.7	
Liberal.....	459	25.9	468	26.3	497	25.3	477	24.4	507	25.2	25.4	
Lindsborg.....	40	12.5	38	11.5	29	8.7	38	11.4	37	11.2	11.1	
Lyons.....	51	14.2	54	15.0	49	13.1	69	18.9	53	14.7	15.2	
Manhattan	482	12.9	562	15.0	500	11.2	495	11.5	486	11.1	12.3	
Marysville.....	40	12.5	44	14.2	37	11.3	48	15.0	39	12.4	13.1	
McPherson.....	204	15.7	174	13.3	193	14.0	183	13.3	184	13.4	13.9	
Medicine Lodge.....	28	12.7	21	9.5	18	8.2	23	10.8	19	9.1	10.1	
Merriam.....	132	9.2	144	9.8	150	13.6	147	13.4	163	15.0	12.2	
Mission.....	115	10.0	105	8.9	126	13.0	116	12.0	122	12.7	11.3	
Mission Hills.....	20	4.8	24	5.6	17	4.7	23	6.4	24	6.8	5.7	
Mulvane	42	8.1	57	11.0	66	12.8	58	11.1	81	14.8	11.6	
Neodesha.....	46	16.4	46	15.9	41	14.4	29	10.3	41	14.8	14.4	
Newton.....	249	13.5	262	14.2	275	16.0	258	15.0	260	14.5	14.6	
Norton.....	29	10.0	24	8.3	34	11.3	25	8.5	37	12.5	10.1	
Olathe.....	1,653	21.6	1,781	22.7	1,837	19.8	1,948	20.2	2,058	20.3	20.9	
Osage City.....	40	13.3	45	15.0	49	16.2	27	8.9	48	15.9	13.9	
Osawatomie.....	94	18.1	91	17.2	81	17.4	107	23.1	80	17.3	18.6	
Ottawa.....	194	16.2	212	17.4	208	17.4	224	18.9	220	18.4	17.7	
Overland Park.....	1,926	14.2	1,998	14.4	2,143	14.4	2,117	13.7	2,092	13.2	14.0	
Paola.....	100	18.9	96	17.8	98	19.6	103	20.5	97	19.2	19.2	
Parsons.....	167	14.4	170	14.8	146	12.7	182	16.0	165	14.6	14.5	
Phillipsburg.....	22	8.5	27	10.4	46	17.2	19	7.3	36	13.9	11.5	
Pittsburg.....	336	18.5	331	18.2	337	17.5	313	16.4	334	17.5	17.6	
Plainville.....	26	13.0	23	11.5	21	10.3	31	15.5	22	11.3	12.3	
Prairie Village.....	295	10.5	292	10.2	303	13.7	289	13.2	291	13.4	12.2	
Pratt.....	85	12.7	68	10.3	87	13.2	73	11.2	90	13.9	12.3	
Roeland Park.....	101	10.9	88	9.2	92	13.5	90	13.3	108	16.1	12.6	
Russell.....	58	12.6	41	8.9	52	11.1	38	8.3	34	7.6	9.7	
Salina.....	724	16.3	638	14.5	676	14.8	695	15.2	691	15.0	15.2	
Scott City.....	43	11.9	52	14.9	49	12.7	45	12.0	56	15.0	13.3	
Shawnee.....	754	16.4	728	15.5	804	16.8	867	17.0	884	16.8	16.5	
Topeka.....	2,001	16.3	1,974	15.5	2,093	17.1	2,045	16.8	2,126	17.4	16.6	
Ulysses.....	133	21.8	119	19.8	109	18.3	123	21.0	130	22.0	20.6	
Valley Center.....	75	18.8	86	21.0	75	15.4	80	16.3	83	16.6	17.6	
Wamego.....	71	16.5	61	13.9	74	17.4	63	14.9	65	15.4	15.6	
Wellington.....	152	17.3	138	15.7	131	15.1	134	15.7	147	17.5	16.3	
Wichita.....	6,435	19.1	6,526	19.2	6,748	19.6	6,393	18.6	6,458	18.2	18.9	
Winfield.....	142	12.1	187	15.7	170	13.9	193	15.9	163	13.3	14.2	

*Rate per 1,000 population

Table 7
Birth And Fertility Rates
Kansas And The United States, 1962-2002

Year	Birth Rates*		Fertility Rates**	
	Kansas	U.S.	Kansas	U.S.
1962	22.5	22.4	118.5	112.0
1963	21.2	21.7	111.4	108.3
1964	19.9	21.1	104.0	104.7
1965	17.8	19.4	93.3	96.3
1966	16.3	18.4	84.9	90.8
1967	15.6	17.8	80.8	87.2
1968	15.7	17.6	80.8	85.2
1969	16.3	17.9	82.9	86.1
1970	17.0	18.4	84.5	87.9
1971	16.0	17.2	78.9	81.6
1972	14.6	15.6	70.7	73.1
1973	14.1	14.8	66.8	68.8
1974	14.4	14.8	67.4	67.8
1975	14.8	14.6	68.4	66.0
1976	15.3	14.6	69.8	65.0
1977	15.9	15.1	71.5	66.8
1978	15.6	15.0	69.8	65.5
1979	16.5	15.6	73.9	67.2
1980	17.2	15.9	76.8	68.4
1981	17.3	15.8	76.6	67.3
1982	16.9	15.9	74.9	67.3
1983	16.6	15.6	73.4	65.7
1984	16.4	15.6	72.0	65.5
1985	16.1	15.8	70.8	66.3
1986	15.9	15.6	69.7	65.4
1987	15.5	15.7	68.0	65.8
1988	15.5	16.0	68.2	67.3
1989	15.4	16.4	68.0	69.2
1990	15.7	16.7	70.1	70.9
1991	15.1	16.3	67.6	69.6
1992	15.0	15.9	67.6	68.9
1993	14.7	15.5	66.9	67.6
1994	14.6	15.2	66.5	66.7
1995	14.5	14.8	65.9	65.6
1996	14.2	14.7	64.8	65.3
1997	14.3	14.5	65.6	65.0
1998	14.6	14.6	67.0	65.6
1999	14.6	14.5	67.4	65.9
2000	14.7	14.7	69.1	67.5
2001	14.4	14.1	67.7	65.3
2002	14.5	13.9 ***	68.6	64.8 ***

*Rate per 1,000 population

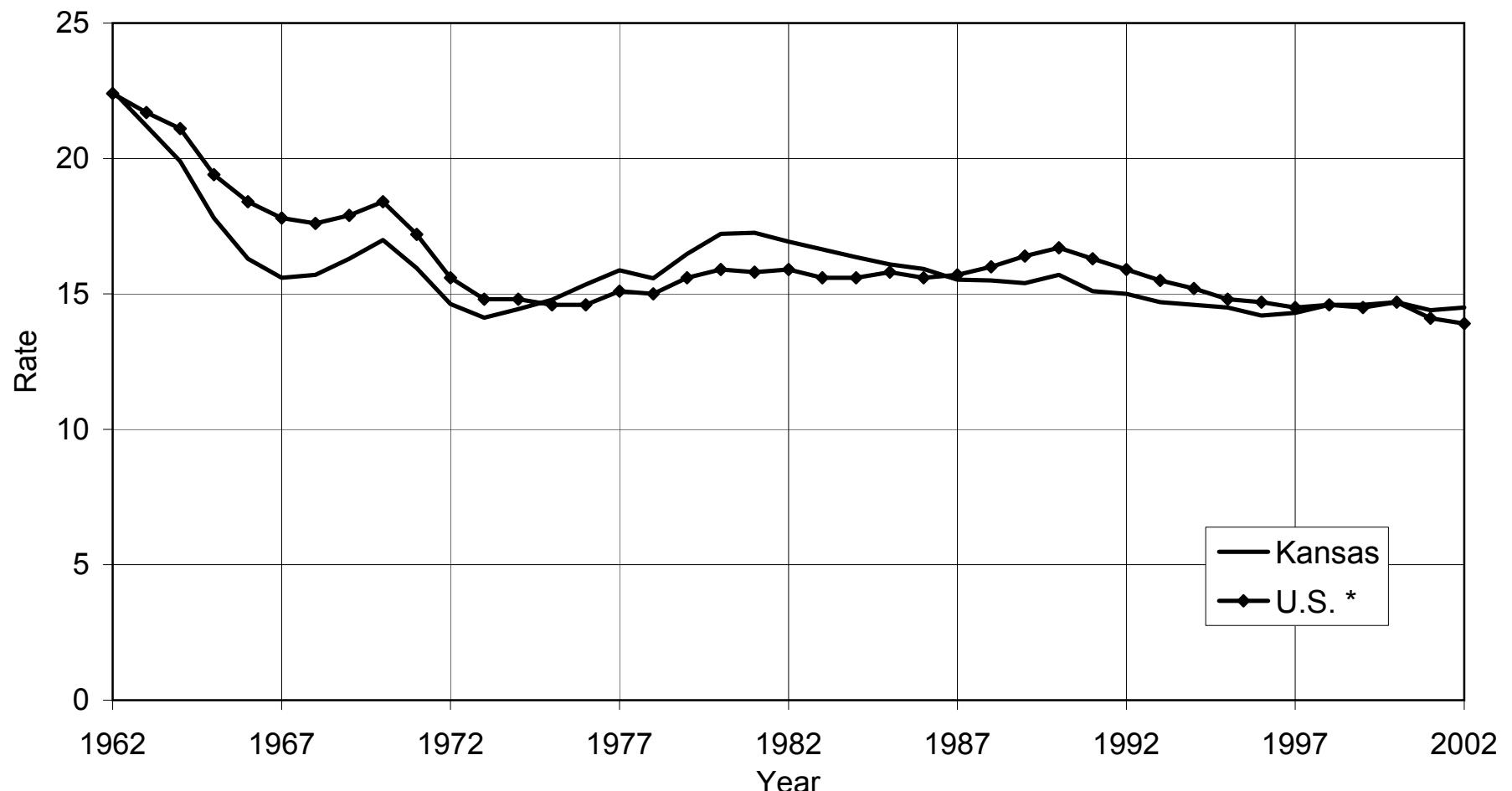
**Rate per 1,000 female 15-44 population

***Provisional

Residence data

Birth Rates

Kansas and the U.S., 1962-2002

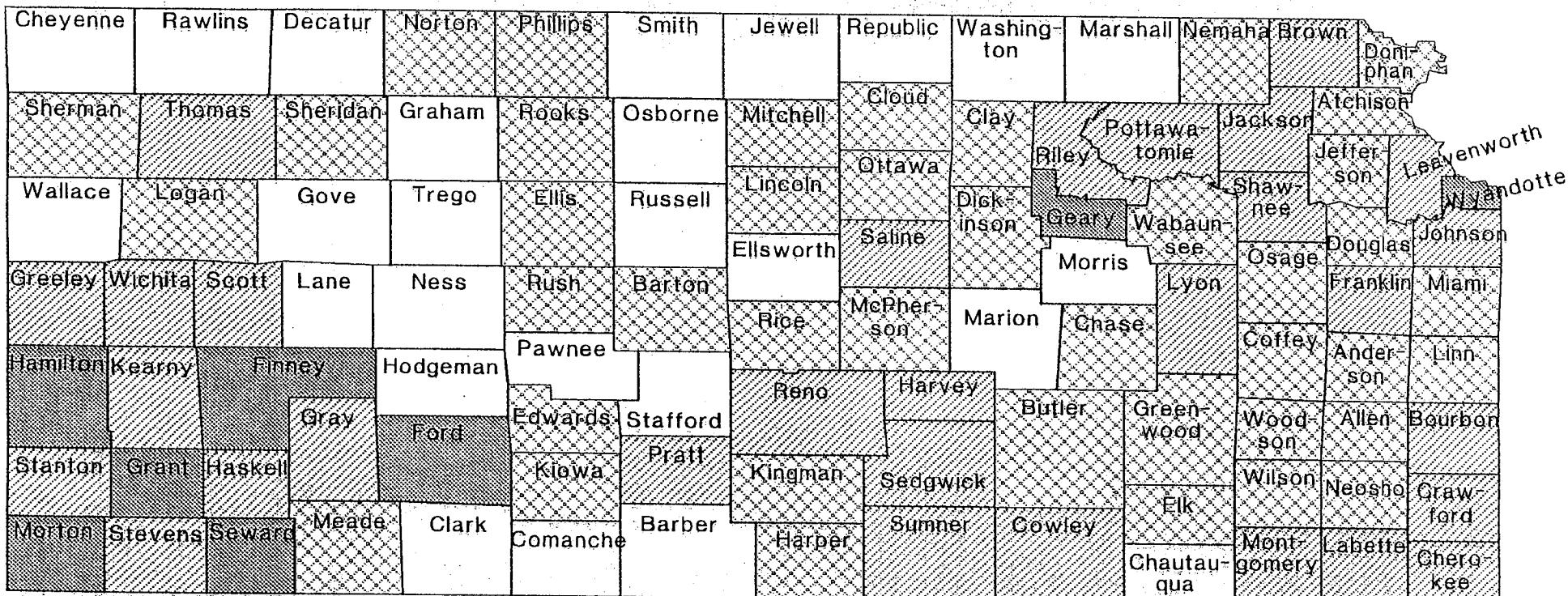


*2002 Rate Provisional

Residence Data

Figure 10

Live Birth Rates By County Of Residence Kansas, 2002



Live Births Per 1,000 Population

State Rate: 14.5

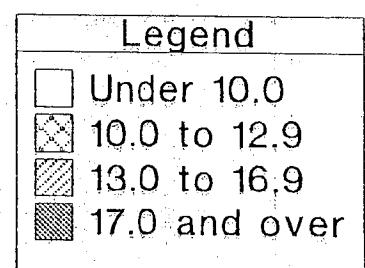
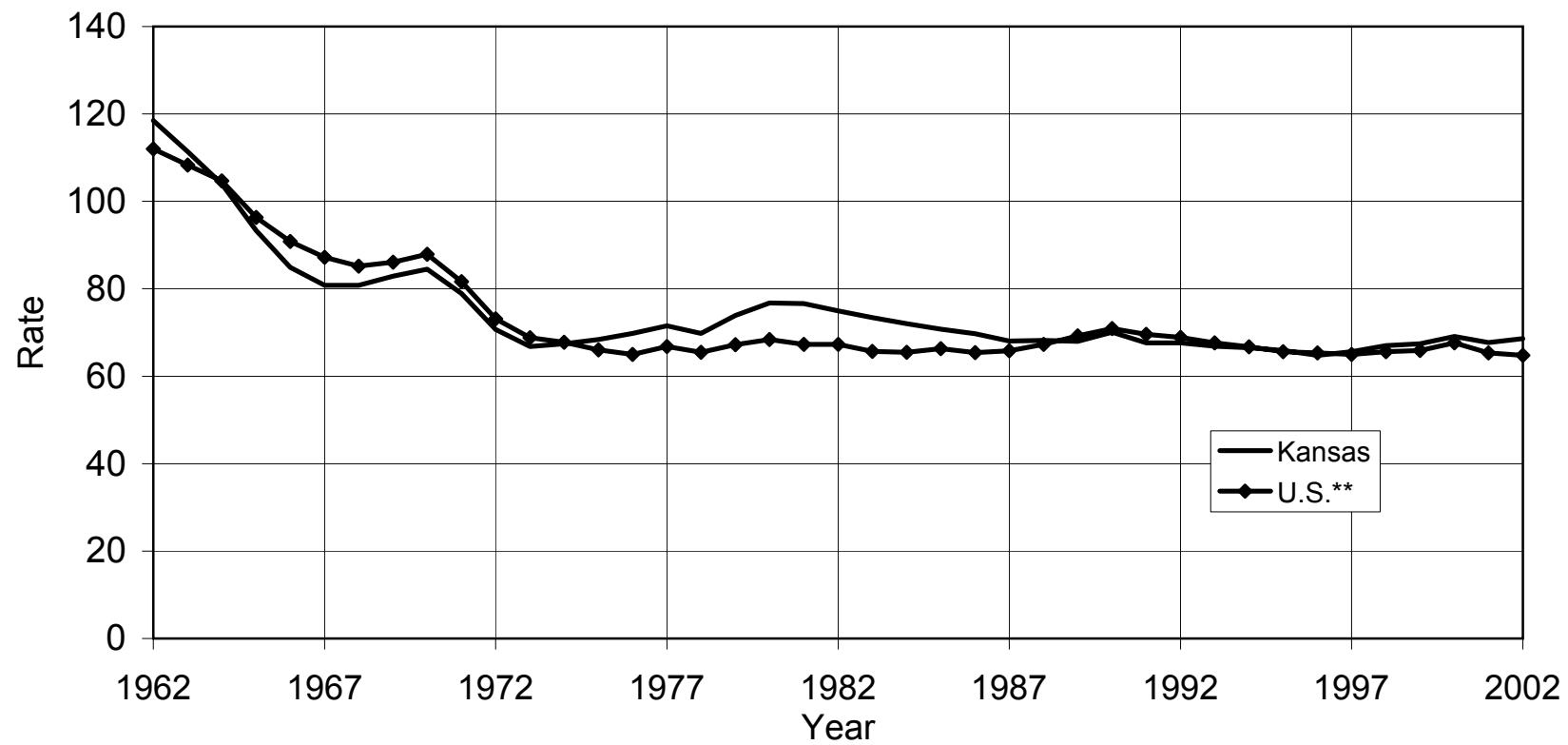


Figure 11

Fertility Rates*

Kansas and the U.S., 1962-2002



*Rate per 1,000 Female

15-44 Population

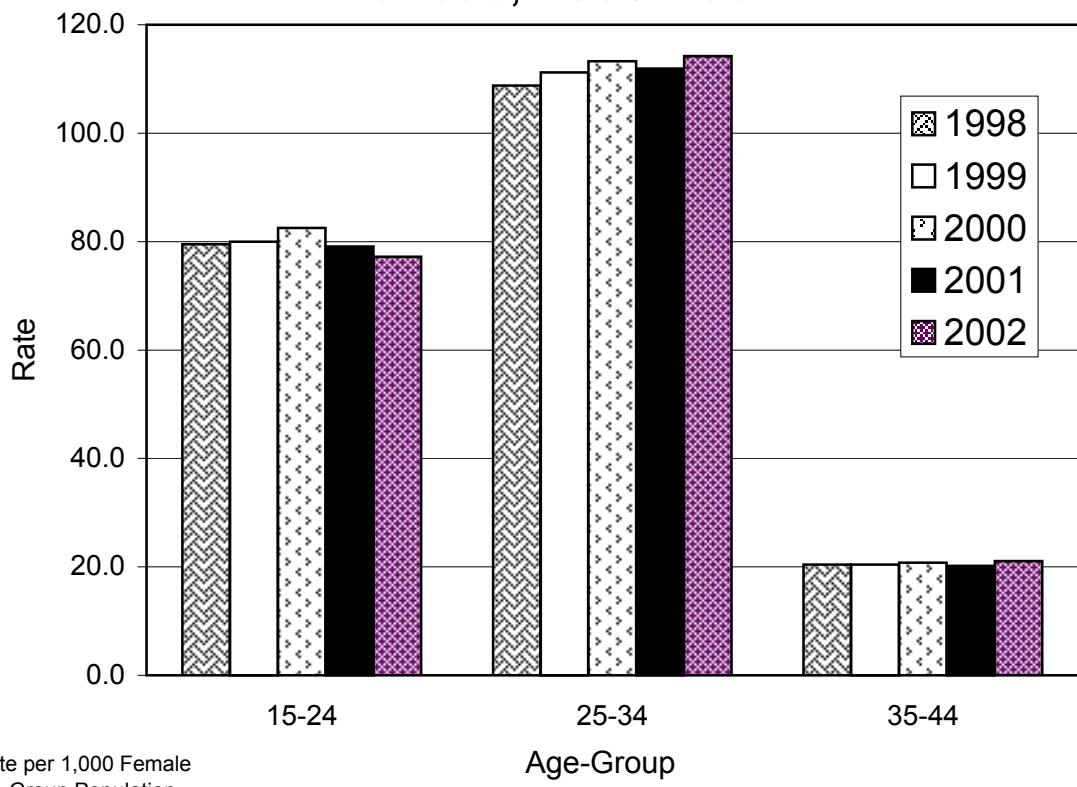
**2002 Rate Provisional

Residence Data

Figure 12

Age-Specific Fertility Rates*

Kansas, 1998-2002



*Rate per 1,000 Female
Age-Group Population
Residence Data

Figure 13

Table 8
Age-Specific Fertility Rates*
By Age-Group Of Mother
Kansas, 1992-2002

Age-Group	Year											Percent Change 1992-2002
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
15-24.....	88.9	87.8	85.3	83.8	80.1	80.6	79.5	80.0	82.5	79.1	77.2	-13.2
25-34.....	98.2	97.5	99.8	100.8	101.3	103.8	108.8	111.2	113.3	111.9	114.2	16.3
35-44.....	16.8	17.4	18.5	18.5	18.9	19.3	20.4	20.4	20.8	20.2	21.1	25.6

*Rate per 1,000 female age-group population

Table 9
 Live Births By Age-Group Of Mother By Age-Group Of Father
 Kansas, 2002

Age-Group of Father	Total	Age-Group of Mother									
		Under 18	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Total.....	39,338	1,312	51	4,282	11,152	10,960	8,561	3,540	729	57	6
Under 18.....	291	187	14	243	30	2	2	0	0	0	0
10-14.....	4	3	3	0	1	0	0	0	0	0	0
15-19.....	1,453	498	14	1,050	357	26	4	2	0	0	0
20-24.....	7,276	345	3	1,711	4,621	814	111	14	2	0	0
25-29.....	9,768	51	0	334	3,320	5,003	961	131	19	0	0
30-34.....	9,315	10	0	84	902	3,290	4,347	630	58	3	1
35-39.....	5,010	3	0	23	268	816	2,087	1,649	158	9	0
40-44.....	1,860	2	0	12	67	214	530	726	294	17	0
45 & Over.....	742	0	0	5	40	83	180	248	161	25	0
N.S.....	3,910	400	31	1,063	1,576	714	341	140	37	3	5

Residence data

Table 10
 Live Births By Age-Group Of Mother
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Age-Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Kansas.....	39,338	51	4,282	11,152	10,960	8,561	3,540	729	57	6
Allen.....	159	0	23	58	42	23	10	3	0	0
Anderson.....	100	0	12	32	21	25	8	0	2	0
Atchison.....	213	0	27	72	57	40	8	7	2	0
Barber.....	39	0	4	14	11	8	2	0	0	0
Barton.....	357	2	51	136	83	57	19	7	1	1
Bourbon.....	212	0	41	83	48	29	9	2	0	0
Brown.....	141	0	25	51	32	21	11	1	0	0
Butler.....	727	1	89	214	204	145	57	17	0	0
Chase.....	31	0	4	9	8	6	3	1	0	0
Chautauqua.....	37	0	5	15	9	6	2	0	0	0
Cherokee.....	308	0	47	115	81	46	16	3	0	0
Cheyenne.....	23	0	2	5	8	4	4	0	0	0
Clark.....	21	0	2	11	2	4	2	0	0	0
Clay.....	97	0	10	26	20	27	10	3	0	1
Cloud.....	116	0	15	37	37	13	12	2	0	0
Coffey.....	107	0	14	20	49	16	6	2	0	0
Comanche.....	15	0	0	4	8	2	1	0	0	0
Cowley.....	479	0	68	175	130	77	22	6	1	0
Crawford.....	508	0	64	199	129	87	24	5	0	0
Decatur.....	26	0	3	10	5	6	2	0	0	0
Dickinson.....	195	0	23	65	53	35	14	4	1	0
Doniphan.....	85	0	6	31	28	14	5	1	0	0
Douglas.....	1,208	1	73	305	360	305	134	30	0	0
Edwards.....	39	0	9	12	7	10	0	1	0	0
Elk.....	36	0	7	13	7	5	3	0	1	0
Ellis.....	351	2	28	118	110	65	26	2	0	0
Ellsworth.....	44	0	5	12	14	6	3	4	0	0
Finney.....	786	1	113	262	215	132	55	8	0	0
Ford.....	627	2	90	201	166	117	40	11	0	0
Franklin.....	374	1	61	122	87	71	26	6	0	0
Geary.....	580	0	87	256	139	63	29	6	0	0
Gove.....	23	0	0	7	8	4	4	0	0	0
Graham.....	22	0	2	8	7	3	2	0	0	0
Grant.....	156	0	25	60	40	21	8	2	0	0
Gray.....	92	0	4	27	32	23	4	2	0	0
Greeley.....	22	0	3	6	9	4	0	0	0	0
Greenwood.....	85	0	15	34	18	11	4	3	0	0
Hamilton.....	49	0	13	13	15	7	0	1	0	0
Harper.....	72	0	11	18	16	16	9	2	0	0
Harvey.....	445	0	58	133	126	84	38	4	1	1
Haskell.....	67	0	6	22	21	11	6	1	0	0
Hodgeman.....	21	0	3	6	7	4	1	0	0	0
Jackson.....	166	1	22	39	46	36	15	6	1	0
Jefferson.....	201	0	18	55	59	48	20	0	1	0
Jewell.....	20	0	1	7	4	5	1	2	0	0
Johnson.....	7,244	1	339	1,025	2,077	2,510	1,073	198	21	0
Kearny.....	66	0	10	24	14	11	6	1	0	0
Kingman.....	95	0	10	20	24	30	10	1	0	0
Kiowa.....	38	0	2	11	14	6	4	1	0	0
Labette.....	289	0	51	107	63	49	18	1	0	0
Lane.....	17	0	3	2	5	5	2	0	0	0
Leavenworth.....	926	1	73	240	235	232	118	26	1	0
Lincoln.....	41	0	1	11	15	5	7	2	0	0
Linn.....	103	0	9	35	35	17	7	0	0	0
Logan.....	36	0	1	7	13	6	6	3	0	0

Table 10
 Live Births By Age-Group Of Mother
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Age-Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Lyon.....	516	1	70	163	140	100	36	6	0	0
Marion.....	122	0	12	29	37	21	16	7	0	0
Marshall.....	104	0	10	33	32	20	6	3	0	0
McPherson.....	344	0	33	101	110	68	26	6	0	0
Meade.....	52	0	2	14	12	19	4	1	0	0
Miami.....	356	0	31	102	99	68	45	10	1	0
Mitchell.....	71	0	7	20	23	13	6	2	0	0
Montgomery.....	493	2	80	172	132	71	27	8	1	0
Morris.....	46	0	3	24	10	8	0	1	0	0
Morton.....	59	1	6	27	12	9	3	1	0	0
Nemaha.....	126	0	8	36	37	32	8	5	0	0
Neosho.....	200	0	31	70	53	28	18	0	0	0
Ness.....	31	0	4	12	9	2	4	0	0	0
Norton.....	61	0	0	20	25	12	4	0	0	0
Osage.....	201	0	13	70	57	45	15	1	0	0
Osborne.....	38	0	2	12	10	9	5	0	0	0
Ottawa.....	65	0	7	13	20	18	5	2	0	0
Pawnee.....	67	0	15	24	13	8	5	2	0	0
Phillips.....	66	0	9	16	27	9	4	1	0	0
Pottawatomie.....	272	0	20	71	82	51	38	9	1	0
Pratt.....	124	0	18	36	32	29	7	2	0	0
Rawlins.....	20	0	0	4	8	6	2	0	0	0
Reno.....	842	1	97	305	220	135	75	8	1	0
Republic.....	50	0	4	15	18	9	2	1	1	0
Rice.....	117	0	22	32	37	15	7	4	0	0
Riley.....	945	0	76	321	285	188	63	11	1	0
Rooks.....	56	0	6	11	22	12	3	2	0	0
Rush.....	40	0	2	11	12	8	6	1	0	0
Russell.....	58	0	7	24	14	12	0	1	0	0
Saline.....	753	0	90	243	187	155	68	10	0	0
Scott.....	70	0	7	22	24	12	4	1	0	0
Sedgwick.....	7,562	19	880	2,202	2,208	1,528	603	112	9	1
Seward.....	530	2	87	193	137	68	33	10	0	0
Shawnee.....	2,513	3	312	754	696	477	210	57	4	0
Sheridan.....	27	0	2	7	8	7	3	0	0	0
Sherman.....	78	1	7	24	20	21	4	0	1	0
Smith.....	29	0	1	7	8	8	4	1	0	0
Stafford.....	46	0	10	10	14	7	5	0	0	0
Stanton.....	34	0	5	11	10	8	0	0	0	0
Stevens.....	83	0	18	26	14	18	6	1	0	0
Sumner.....	341	0	45	122	82	56	31	5	0	0
Thomas.....	108	0	9	38	32	19	7	3	0	0
Trego.....	31	0	2	9	8	9	1	2	0	0
Wabaunsee.....	73	0	8	19	19	19	6	2	0	0
Wallace.....	14	0	1	4	4	4	1	0	0	0
Washington.....	57	0	3	18	22	10	2	2	0	0
Wichita.....	35	0	4	10	6	10	3	2	0	0
Wilson.....	124	0	20	44	36	14	7	3	0	0
Woodson.....	37	0	5	14	8	7	3	0	0	0
Wyandotte.....	2,914	8	483	987	756	466	173	35	4	2

Table 11
Live Births By Weeks Gestation
By County Of Residence
Kansas, 2002

County of Residence	Total	Weeks Gestation								
		19 & Under	20-22	23-27	28-31	32-35	36	37-41	42 & Over	N.S.
Kansas.....	39,338	15	53	174	322	1,441	1,404	35,380	472	77
Allen.....	159	1	0	0	1	8	5	142	2	0
Anderson.....	100	0	0	0	2	2	7	88	1	0
Atchison.....	213	0	0	0	0	6	6	199	2	0
Barber.....	39	0	0	1	0	3	1	33	1	0
Barton.....	357	0	1	2	0	9	18	318	8	1
Bourbon.....	212	0	1	1	0	7	7	196	0	0
Brown.....	141	0	1	1	1	2	1	134	0	1
Butler.....	727	0	1	3	8	20	34	647	14	0
Chase.....	31	0	0	0	0	0	1	30	0	0
Chautauqua.....	37	0	0	0	1	0	1	33	2	0
Cherokee.....	308	0	0	1	2	6	14	281	4	0
Cheyenne.....	23	0	0	0	0	1	1	21	0	0
Clark.....	21	0	0	0	1	0	2	16	1	1
Clay.....	97	0	0	0	2	4	3	87	1	0
Cloud.....	116	0	0	2	0	1	5	104	4	0
Coffey.....	107	0	0	0	0	5	2	100	0	0
Comanche.....	15	0	0	0	0	0	0	15	0	0
Cowley.....	479	0	0	6	5	23	25	411	9	0
Crawford.....	508	0	2	0	3	27	17	451	8	0
Decatur.....	26	0	0	0	0	3	1	22	0	0
Dickinson.....	195	0	0	0	2	5	6	182	0	0
Doniphan.....	85	0	0	0	0	4	2	78	1	0
Douglas.....	1,208	0	1	4	6	43	54	1,089	10	1
Edwards.....	39	0	0	0	0	2	2	34	1	0
Elk.....	36	0	0	1	0	0	0	35	0	0
Ellis.....	351	0	1	0	6	10	11	319	4	0
Ellsworth.....	44	0	0	0	1	1	0	41	1	0
Finney.....	786	0	1	4	4	25	39	701	11	1
Ford.....	627	1	1	2	7	20	10	581	5	0
Franklin.....	374	0	1	1	1	21	9	337	4	0
Geary.....	580	0	1	3	3	35	17	503	18	0
Gove.....	23	0	0	0	0	0	3	19	1	0
Graham.....	22	0	0	0	1	1	0	19	1	0
Grant.....	156	0	0	0	0	3	2	149	2	0
Gray.....	92	0	0	0	0	3	7	80	1	1
Greeley.....	22	0	0	0	0	0	1	20	1	0
Greenwood.....	85	0	0	0	1	3	2	79	0	0
Hamilton.....	49	0	0	0	0	1	5	43	0	0
Harper.....	72	0	0	0	5	2	3	61	1	0
Harvey.....	445	0	0	2	4	14	18	398	9	0
Haskell.....	67	0	0	0	0	1	1	64	0	1
Hodgeman.....	21	0	0	0	1	0	1	18	1	0
Jackson.....	166	0	0	1	0	6	9	147	3	0
Jefferson.....	201	0	0	0	2	7	7	185	0	0
Jewell.....	20	0	0	0	0	0	0	20	0	0
Johnson.....	7,244	1	1	25	54	290	243	6,566	62	2
Kearny.....	66	0	1	0	0	1	2	60	2	0
Kingman.....	95	0	0	0	8	0	2	83	2	0
Kiowa.....	38	0	0	2	0	1	0	34	1	0
Labette.....	289	0	1	1	3	13	26	243	2	0
Lane.....	17	0	0	0	0	1	1	15	0	0
Leavenworth.....	926	0	0	3	8	26	35	844	6	4
Lincoln.....	41	0	0	0	0	1	1	38	1	0
Linn.....	103	0	0	0	1	2	9	91	0	0
Logan.....	36	0	0	0	0	4	0	32	0	0

Table 11
 Live Births By Weeks Gestation
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Weeks Gestation								
		19 & Under	20-22	23-27	28-31	32-35	36	37-41	42 & Over	N.S.
Lyon.....	516	0	1	3	7	24	14	461	6	0
Marion.....	122	0	0	0	1	4	2	114	1	0
Marshall.....	104	0	0	0	3	5	1	92	3	0
McPherson.....	344	0	1	3	3	10	12	315	0	0
Meade.....	52	0	0	0	0	0	0	50	0	2
Miami.....	356	0	0	1	3	17	11	321	3	0
Mitchell.....	71	0	0	0	0	1	3	67	0	0
Montgomery.....	493	0	3	2	6	11	21	445	4	1
Morris.....	46	0	0	1	0	0	0	43	2	0
Morton.....	59	0	0	0	0	1	2	55	0	1
Nemaha.....	126	0	0	1	0	3	2	119	1	0
Neosho.....	200	1	0	1	0	7	15	174	2	0
Ness.....	31	0	0	0	0	0	0	31	0	0
Norton.....	61	0	0	0	0	1	1	56	3	0
Osage.....	201	0	0	0	2	10	6	180	2	1
Osborne.....	38	0	0	0	0	2	1	35	0	0
Ottawa.....	65	0	0	1	2	3	3	56	0	0
Pawnee.....	67	0	0	0	1	1	2	63	0	0
Phillips.....	66	0	0	0	0	2	3	61	0	0
Pottawatomie.....	272	0	1	0	0	12	11	239	5	4
Pratt.....	124	0	0	2	4	4	4	106	4	0
Rawlins.....	20	0	0	0	0	1	0	18	1	0
Reno.....	842	0	3	3	9	27	23	774	2	1
Republic.....	50	0	0	0	0	1	1	47	1	0
Rice.....	117	0	0	0	0	3	2	108	4	0
Riley.....	945	0	2	5	5	29	38	848	18	0
Rooks.....	56	0	0	0	0	5	1	50	0	0
Rush.....	40	0	0	1	0	1	1	36	1	0
Russell.....	58	0	0	2	2	3	2	48	1	0
Saline.....	753	0	1	2	8	28	26	688	0	0
Scott.....	70	0	0	0	0	4	4	62	0	0
Sedgwick.....	7,562	8	15	45	59	283	241	6,752	127	32
Seward.....	530	0	0	2	6	16	15	466	11	14
Shawnee.....	2,513	1	2	15	16	116	118	2,233	10	2
Sheridan.....	27	0	0	0	0	3	0	23	1	0
Sherman.....	78	0	0	0	0	7	3	67	1	0
Smith.....	29	0	0	0	0	2	0	24	3	0
Stafford.....	46	0	0	0	1	1	1	42	1	0
Stanton.....	34	0	0	0	0	1	2	31	0	0
Stevens.....	83	0	0	0	1	4	2	74	1	1
Sumner.....	341	0	1	1	4	8	14	306	5	2
Thomas.....	108	0	0	1	1	4	3	98	1	0
Trego.....	31	0	0	0	0	0	2	29	0	0
Wabaunsee.....	73	0	0	0	0	2	3	67	1	0
Wallace.....	14	0	0	0	0	0	0	14	0	0
Washington.....	57	0	0	0	3	4	2	46	2	0
Wichita.....	35	0	1	0	0	0	3	31	0	0
Wilson.....	124	0	0	1	0	3	6	108	6	0
Woodson.....	37	0	0	0	0	2	3	32	0	0
Wyandotte.....	2,914	2	7	15	31	92	95	2,639	30	3

Table 12
Live Births By Month Prenatal Care Began
By County Of Residence
Kansas, 2002

County of Residence	Total	Month Care Began										
		1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	NONE	N.S.
Kansas.....	39,338	10,315	17,176	6,383	2,189	1,143	744	482	229	99	257	321
Allen.....	159	59	51	28	11	7	1	1	0	1	0	0
Anderson.....	100	23	48	13	6	5	2	1	1	0	1	0
Atchison.....	213	31	109	45	12	10	3	2	0	0	1	0
Barber.....	39	7	14	12	3	1	0	2	0	0	0	0
Barton.....	357	41	133	99	43	15	5	3	2	1	3	12
Bourbon.....	212	170	19	17	1	1	2	0	0	1	0	1
Brown.....	141	31	65	26	8	5	2	2	0	0	0	2
Butler.....	727	124	373	145	35	12	14	10	1	2	5	6
Chase.....	31	7	15	7	1	0	0	1	0	0	0	0
Chautauqua.....	37	7	18	6	2	1	1	0	1	0	1	0
Cherokee.....	308	50	140	68	18	13	7	7	0	1	3	1
Cheyenne.....	23	7	9	6	0	1	0	0	0	0	0	0
Clark.....	21	7	6	3	2	1	0	1	0	0	1	0
Clay.....	97	19	41	27	4	3	0	0	2	0	1	0
Cloud.....	116	23	55	17	9	8	3	1	0	0	0	0
Coffey.....	107	32	35	23	2	5	4	4	1	0	0	1
Comanche.....	15	0	6	6	3	0	0	0	0	0	0	0
Cowley.....	479	81	249	89	21	10	10	11	2	1	4	1
Crawford.....	508	151	254	56	19	11	6	5	4	0	1	1
Decatur.....	26	2	11	9	0	0	1	0	0	0	2	1
Dickinson.....	195	50	83	25	15	12	2	3	3	1	0	1
Doniphan.....	85	11	45	22	3	2	1	0	0	0	0	1
Douglas.....	1,208	233	658	153	40	42	18	9	9	1	5	40
Edwards.....	39	7	13	10	4	1	1	0	0	2	1	0
Elk.....	36	11	15	7	1	1	1	0	0	0	0	0
Ellis.....	351	63	187	61	22	5	5	4	1	1	1	1
Ellsworth.....	44	6	23	12	0	2	1	0	0	0	0	0
Finney.....	786	109	236	207	99	46	32	23	14	11	5	4
Ford.....	627	176	166	119	73	32	19	16	8	1	13	4
Franklin.....	374	83	172	57	21	12	13	6	2	1	1	6
Geary.....	580	74	223	158	61	27	21	7	4	3	2	0
Gove.....	23	5	9	6	2	0	0	1	0	0	0	0
Graham.....	22	2	10	3	2	1	1	1	0	0	1	1
Grant.....	156	31	70	29	12	6	5	1	0	1	0	1
Gray.....	92	16	25	25	4	9	4	3	5	0	1	0
Greeley.....	22	10	3	7	0	1	0	0	0	1	0	0
Greenwood.....	85	18	39	16	7	0	3	0	0	1	0	1
Hamilton.....	49	6	19	8	4	2	1	7	1	0	0	1
Harper.....	72	15	30	16	6	4	0	1	0	0	0	0
Harvey.....	445	35	192	148	27	19	13	4	2	2	3	0
Haskell.....	67	12	21	12	6	5	3	4	3	1	0	0
Hodgeman.....	21	5	5	6	1	2	0	1	0	1	0	0
Jackson.....	166	58	71	25	5	1	3	1	0	2	0	0
Jefferson.....	201	75	82	27	6	4	2	2	1	1	0	1
Jewell.....	20	1	13	4	2	0	0	0	0	0	0	0
Johnson.....	7,244	3,218	2,894	653	199	92	80	39	23	8	23	15
Kearny.....	66	8	20	24	6	1	3	1	1	2	0	0
Kingman.....	95	12	49	21	8	3	1	1	0	0	0	0
Kiowa.....	38	11	12	11	1	0	0	0	2	0	1	0
Labette.....	289	67	156	31	16	8	3	2	4	1	0	1
Lane.....	17	2	11	0	1	1	1	1	0	0	0	0
Leavenworth.....	926	321	406	116	41	17	7	7	2	2	3	4
Lincoln.....	41	7	19	8	2	3	2	0	0	0	0	0
Linn.....	103	54	34	11	2	1	0	0	0	0	1	0
Logan.....	36	11	18	1	1	3	2	0	0	0	0	0

Table 12
 Live Births By Month Prenatal Care Began
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Month Care Began											
		1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	NONE	N.S.	
Lyon.....	516	113	209	88	40	25	14	7	5	4	3	8	
Marion.....	122	21	55	30	7	4	3	2	0	0	0	0	
Marshall.....	104	12	52	24	7	5	1	1	2	0	0	0	
McPherson.....	344	55	177	78	11	13	5	2	0	0	1	2	
Meade.....	52	6	21	12	4	0	1	4	0	0	2	2	
Miami.....	356	158	139	29	15	9	3	1	0	0	2	0	
Mitchell.....	71	8	41	11	5	2	2	1	0	0	1	0	
Montgomery.....	493	122	209	92	28	14	4	6	2	0	5	11	
Morris.....	46	12	15	10	5	2	1	0	0	0	0	1	
Morton.....	59	7	19	11	11	1	2	2	1	1	1	3	
Nemaha.....	126	53	35	24	8	3	1	1	1	0	0	0	
Neosho.....	200	57	89	29	10	4	7	2	0	1	1	0	
Ness.....	31	4	17	6	2	1	0	1	0	0	0	0	
Norton.....	61	15	28	12	4	1	1	0	0	0	0	0	
Osage.....	201	87	87	13	4	4	1	2	1	0	2	0	
Osborne.....	38	8	21	3	4	0	1	1	0	0	0	0	
Ottawa.....	65	16	32	11	3	0	1	2	0	0	0	0	
Pawnee.....	67	8	33	10	9	1	0	2	1	0	0	3	
Phillips.....	66	7	32	20	2	2	2	1	0	0	0	0	
Pottawatomie.....	272	60	110	62	23	6	6	0	0	2	1	2	
Pratt.....	124	21	51	25	12	8	4	0	0	0	3	0	
Rawlins.....	20	8	5	3	2	1	1	0	0	0	0	0	
Reno.....	842	145	422	137	57	37	20	15	3	0	2	4	
Republic.....	50	6	27	12	5	0	0	0	0	0	0	0	
Rice.....	117	15	51	27	11	8	3	1	0	1	0	0	
Riley.....	945	186	443	207	73	21	6	3	5	0	1	0	
Rooks.....	56	6	35	7	1	1	1	2	1	0	2	0	
Rush.....	40	11	17	7	2	0	1	1	0	0	0	1	
Russell.....	58	7	30	15	1	0	2	1	0	0	2	0	
Saline.....	753	213	311	143	37	19	13	9	4	0	2	2	
Scott.....	70	3	22	15	11	3	3	3	6	1	3	0	
Sedgwick.....	7,562	1,196	4,026	1,300	383	213	131	91	33	7	50	132	
Seward.....	530	42	171	102	55	31	39	30	19	5	19	17	
Shawnee.....	2,513	1,050	870	329	100	61	31	23	12	12	19	6	
Sheridan.....	27	8	13	2	3	0	1	0	0	0	0	0	
Sherman.....	78	22	30	16	6	1	0	3	0	0	0	0	
Smith.....	29	5	14	7	2	0	0	0	1	0	0	0	
Stafford.....	46	12	15	11	4	2	2	0	0	0	0	0	
Stanton.....	34	7	13	8	3	1	1	0	1	0	0	0	
Stevens.....	83	9	30	22	7	3	4	4	1	2	1	0	
Sumner.....	341	79	171	59	13	9	2	1	2	0	2	3	
Thomas.....	108	33	43	20	6	1	4	0	0	0	1	0	
Trego.....	31	13	14	3	0	1	0	0	0	0	0	0	
Wabaunsee.....	73	25	22	15	4	3	2	0	1	0	0	1	
Wallace.....	14	3	3	6	1	1	0	0	0	0	0	0	
Washington.....	57	11	22	14	5	1	3	0	0	0	0	1	
Wichita.....	35	8	10	8	3	0	2	1	1	0	0	2	
Wilson.....	124	20	50	27	12	4	3	3	2	0	0	3	
Woodson.....	37	17	12	3	2	3	0	0	0	0	0	0	
Wyandotte.....	2,914	610	1,132	517	266	139	100	57	25	12	47	9	

Table 13
 Adequacy of Prenatal Care Utilization (APNCU) Index*
 By County Of Residence
 Kansas, 2002

County of Residence	Live Births	APNCU Category**								N.S.	
		Adequate Plus		Adequate		Intermediate		Inadequate			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Kansas.....	39,338	9,753	25.1	21,463	55.3	4,218	10.9	3,372	8.7	532	
Allen.....	159	65	41.1	60	38.0	20	12.7	13	8.2	1	
Anderson.....	100	27	27.0	54	54.0	8	8.0	11	11.0	0	
Atchison.....	213	73	34.3	103	48.4	18	8.4	19	8.9	0	
Barber.....	39	6	15.4	26	66.7	4	10.2	3	7.7	0	
Barton.....	357	68	19.7	183	53.0	61	17.7	33	9.6	12	
Bourbon.....	212	112	55.5	74	36.6	11	5.4	5	2.5	10	
Brown.....	141	38	27.7	79	57.7	10	7.3	10	7.3	4	
Butler.....	727	152	21.2	464	64.5	56	7.8	47	6.5	8	
Chase.....	31	7	22.6	20	64.5	3	9.7	1	3.2	0	
Chautauqua.....	37	8	21.6	17	46.0	7	18.9	5	13.5	0	
Cherokee.....	308	66	21.8	163	53.8	40	13.2	34	11.2	5	
Cheyenne.....	23	4	17.4	15	65.2	2	8.7	2	8.7	0	
Clark.....	21	4	19.1	10	47.6	4	19.0	3	14.3	0	
Clay.....	97	27	27.8	47	48.5	15	15.5	8	8.2	0	
Cloud.....	116	35	30.2	57	49.1	11	9.5	13	11.2	0	
Coffey.....	107	27	25.5	57	53.8	8	7.5	14	13.2	1	
Comanche.....	15	6	40.0	7	46.7	2	13.3	0	0.0	0	
Cowley.....	479	160	33.4	238	49.8	40	8.4	40	8.4	1	
Crawford.....	508	201	40.2	231	46.2	39	7.8	29	5.8	8	
Decatur.....	26	11	44.0	11	44.0	0	0.0	3	12.0	1	
Dickinson.....	195	67	34.7	91	47.2	13	6.7	22	11.4	2	
Doniphan.....	85	18	21.7	60	72.3	2	2.4	3	3.6	2	
Douglas.....	1,208	396	34.2	519	44.9	146	12.6	96	8.3	51	
Edwards.....	39	4	10.3	21	53.8	6	15.4	8	20.5	0	
Elk.....	36	6	17.2	23	65.7	4	11.4	2	5.7	1	
Ellis.....	351	42	12.0	210	59.8	79	22.5	20	5.7	0	
Ellsworth.....	44	12	27.3	24	54.5	5	11.4	3	6.8	0	
Finney.....	786	201	26.0	296	38.2	128	16.5	149	19.3	12	
Ford.....	627	113	18.4	244	39.8	117	19.1	139	22.7	14	
Franklin.....	374	115	31.4	187	51.1	26	7.1	38	10.4	8	
Geary.....	580	109	18.8	223	38.5	165	28.4	83	14.3	0	
Gove.....	23	5	21.8	12	52.2	5	21.7	1	4.3	0	
Graham.....	22	5	23.8	6	28.6	6	28.6	4	19.0	1	
Grant.....	156	34	21.9	84	54.2	22	14.2	15	9.7	1	
Gray.....	92	11	12.1	35	38.4	19	20.9	26	28.6	1	
Greeley.....	22	4	18.2	11	50.0	5	22.7	2	9.1	0	
Greenwood.....	85	22	26.2	54	64.3	4	4.7	4	4.8	1	
Hamilton.....	49	10	20.8	23	48.0	4	8.3	11	22.9	1	
Harper.....	72	18	25.0	47	65.3	2	2.8	5	6.9	0	
Harvey.....	445	148	33.3	230	51.8	23	5.2	43	9.7	1	
Haskell.....	67	15	22.4	27	40.3	8	11.9	17	25.4	0	
Hodgeman.....	21	5	23.8	7	33.3	3	14.3	6	28.6	0	
Jackson.....	166	54	33.3	89	55.0	13	8.0	6	3.7	4	
Jefferson.....	201	59	29.5	106	53.0	23	11.5	12	6.0	1	
Jewell.....	20	6	30.0	12	60.0	2	10.0	0	0.0	0	
Johnson.....	7,244	2,168	30.1	4,322	60.1	410	5.7	293	4.1	51	
Kearny.....	66	12	18.5	30	46.1	15	23.1	8	12.3	1	
Kingman.....	95	25	26.6	61	64.9	3	3.2	5	5.3	1	
Kiowa.....	38	6	15.8	22	57.9	7	18.4	3	7.9	0	
Labette.....	289	94	32.7	142	49.5	30	10.5	21	7.3	2	
Lane.....	17	4	23.5	9	53.0	1	5.9	3	17.6	0	
Leavenworth.....	926	286	31.2	495	54.0	87	9.5	49	5.3	9	
Lincoln.....	41	7	17.1	24	58.5	4	9.8	6	14.6	0	
Linn.....	103	36	36.0	57	57.0	5	5.0	2	2.0	3	
Logan.....	36	9	25.0	15	41.7	7	19.4	5	13.9	0	

Table 13
Adequacy of Prenatal Care Utilization (APNCU) Index*
By County Of Residence
Kansas, 2002

County of Residence	Live Births	APNCU Category**								N.S.	
		Adequate Plus		Adequate		Intermediate		Inadequate			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Lyon.....	516	172	33.9	251	49.4	27	5.3	58	11.4	8	
Marion.....	122	37	30.3	65	53.3	11	9.0	9	7.4	0	
Marshall.....	104	27	26.2	41	39.8	25	24.3	10	9.7	1	
McPherson.....	344	85	24.9	199	58.2	35	10.2	23	6.7	2	
Meade.....	52	8	16.7	23	47.9	8	16.7	9	18.7	4	
Miami.....	356	104	29.2	210	59.0	27	7.6	15	4.2	0	
Mitchell.....	71	20	28.2	42	59.2	3	4.2	6	8.4	0	
Montgomery.....	493	177	37.6	225	47.8	36	7.6	33	7.0	22	
Morris.....	46	6	13.3	26	57.8	9	20.0	4	8.9	1	
Morton.....	59	10	18.9	24	45.3	9	17.0	10	18.8	6	
Nemaha.....	126	18	14.5	79	63.7	20	16.1	7	5.7	2	
Neosho.....	200	85	42.7	86	43.2	10	5.0	18	9.1	1	
Ness.....	31	5	16.1	17	54.8	7	22.6	2	6.5	0	
Norton.....	61	7	11.7	30	50.0	20	33.3	3	5.0	1	
Osage.....	201	61	30.3	114	56.7	14	7.0	12	6.0	0	
Osborne.....	38	10	26.3	19	50.0	7	18.4	2	5.3	0	
Ottawa.....	65	21	32.3	34	52.3	7	10.8	3	4.6	0	
Pawnee.....	67	8	12.5	36	56.2	14	21.9	6	9.4	3	
Phillips.....	66	13	19.7	33	50.0	13	19.7	7	10.6	0	
Pottawatomie.....	272	73	28.0	134	51.3	35	13.4	19	7.3	11	
Pratt.....	124	21	16.9	76	61.3	12	9.7	15	12.1	0	
Rawlins.....	20	3	15.0	9	45.0	5	25.0	3	15.0	0	
Reno.....	842	188	22.4	478	57.1	87	10.4	85	10.1	4	
Republic.....	50	13	26.0	31	62.0	4	8.0	2	4.0	0	
Rice.....	117	15	12.8	67	57.3	21	17.9	14	12.0	0	
Riley.....	945	196	20.7	391	41.4	294	31.1	64	6.8	0	
Rooks.....	56	7	12.5	32	57.1	8	14.3	9	16.1	0	
Rush.....	40	10	25.6	18	46.2	9	23.1	2	5.1	1	
Russell.....	58	11	19.0	30	51.7	12	20.7	5	8.6	0	
Saline.....	753	211	28.1	395	52.7	89	11.9	55	7.3	3	
Scott.....	70	18	25.7	25	35.7	8	11.4	19	27.2	0	
Sedgwick.....	7,562	1,085	14.6	5,006	67.6	720	9.7	598	8.1	153	
Seward.....	530	79	15.9	222	44.8	44	8.9	151	30.4	34	
Shawnee.....	2,513	773	30.9	1,351	54.0	205	8.2	172	6.9	12	
Sheridan.....	27	6	23.1	11	42.3	8	30.8	1	3.8	1	
Sherman.....	78	28	35.9	31	39.7	14	18.0	5	6.4	0	
Smith.....	29	8	27.6	19	65.5	0	0.0	2	6.9	0	
Stafford.....	46	6	13.6	24	54.6	10	22.7	4	9.1	2	
Stanton.....	34	12	36.4	16	48.5	2	6.0	3	9.1	1	
Stevens.....	83	21	25.9	31	38.3	14	17.3	15	18.5	2	
Sumner.....	341	76	22.5	213	63.0	31	9.2	18	5.3	3	
Thomas.....	108	24	22.2	61	56.5	14	13.0	9	8.3	0	
Trego.....	31	5	16.1	17	54.9	8	25.8	1	3.2	0	
Wabaunsee.....	73	14	19.5	38	52.8	14	19.4	6	8.3	1	
Wallace.....	14	3	21.4	8	57.2	2	14.3	1	7.1	0	
Washington.....	57	23	41.1	23	41.1	5	8.9	5	8.9	1	
Wichita.....	35	7	21.2	17	51.5	5	15.2	4	12.1	2	
Wilson.....	124	46	38.3	49	40.8	11	9.2	14	11.7	4	
Woodson.....	37	14	37.9	13	35.1	6	16.2	4	10.8	0	
Wyandotte.....	2,914	660	22.8	1,339	46.4	461	16.0	427	14.8	27	

*See Technical Notes

**Includes only Kansas resident live births for which number of prenatal visits and month care began were reported on the birth certificate.

Table 14
 Live Births By Birth Weight In Grams
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Birth Weight in Grams												
		Under 500	500 - 999	1000 - 1499	1500 - 1999	2000 - 2499	2500 - 2999	3000 - 3499	3500 - 3999	4000 - 4499	4500 - 4999	5000 & Over	N.S.	
Kansas.....	39,338	73	183	259	532	1,711	6,550	14,836	11,355	3,311	484	41	3	
Allen.....	159	0	0	0	11	4	32	69	36	7	0	0	0	
Anderson.....	100	0	0	1	2	2	25	42	20	7	1	0	0	
Atchison.....	213	0	1	0	1	6	43	81	65	13	2	1	0	
Barber.....	39	0	1	0	0	2	4	13	15	3	1	0	0	
Barton.....	357	3	0	1	6	15	67	145	100	18	2	0	0	
Bourbon.....	212	1	1	2	1	2	30	83	75	15	2	0	0	
Brown.....	141	1	1	1	1	3	27	48	43	14	2	0	0	
Butler.....	727	1	4	6	7	30	121	277	206	63	12	0	0	
Chase.....	31	0	0	0	0	2	6	9	13	0	1	0	0	
Chautauqua.....	37	0	1	0	0	1	4	16	11	4	0	0	0	
Cherokee.....	308	0	1	2	4	10	42	132	91	24	1	1	0	
Cheyenne.....	23	0	0	0	0	1	5	8	7	2	0	0	0	
Clark.....	21	0	0	0	1	2	5	7	4	2	0	0	0	
Clay.....	97	0	2	0	3	2	13	39	27	9	2	0	0	
Cloud.....	116	0	2	0	0	5	20	51	30	7	0	1	0	
Coffey.....	107	0	0	0	2	3	16	45	33	7	1	0	0	
Comanche.....	15	0	0	0	0	0	4	7	4	0	0	0	0	
Cowley.....	479	0	6	5	9	27	79	166	132	49	5	1	0	
Crawford.....	508	2	1	2	5	23	94	190	142	45	4	0	0	
Decatur.....	26	0	0	0	0	2	8	10	5	1	0	0	0	
Dickinson.....	195	0	0	0	5	11	44	73	48	11	3	0	0	
Doniphan.....	85	0	0	0	0	5	20	35	19	5	1	0	0	
Douglas.....	1,208	2	4	5	12	58	199	476	339	98	14	0	1	
Edwards.....	39	0	0	0	1	2	4	15	13	3	1	0	0	
Elk.....	36	0	0	1	0	0	7	11	13	4	0	0	0	
Ellis.....	351	1	0	5	4	17	45	151	96	30	1	1	0	
Ellsworth.....	44	0	0	0	1	3	4	11	19	6	0	0	0	
Finney.....	786	0	3	5	4	33	142	327	211	55	6	0	0	
Ford.....	627	2	4	5	7	21	125	250	161	44	6	2	0	
Franklin.....	374	1	1	3	5	10	60	164	97	29	4	0	0	
Geary.....	580	1	1	7	11	28	104	211	156	52	8	1	0	
Gove.....	23	0	0	0	0	1	5	5	7	5	0	0	0	
Graham.....	22	0	0	0	1	1	3	7	8	2	0	0	0	
Grant.....	156	0	0	0	1	5	27	71	42	10	0	0	0	
Gray.....	92	0	0	0	1	6	11	44	22	8	0	0	0	
Greeley.....	22	0	0	0	0	4	2	8	7	1	0	0	0	
Greenwood.....	85	0	1	1	0	5	13	34	24	7	0	0	0	
Hamilton.....	49	0	0	0	0	4	11	20	9	5	0	0	0	
Harper.....	72	0	0	1	5	3	12	19	21	10	1	0	0	
Harvey.....	445	0	0	6	6	16	55	168	138	49	6	1	0	
Haskell.....	67	0	0	0	0	1	12	30	18	6	0	0	0	
Hodgeman.....	21	0	0	1	0	1	4	11	4	0	0	0	0	
Jackson.....	166	0	1	2	3	9	28	67	42	6	8	0	0	
Jefferson.....	201	0	0	2	0	9	34	73	64	19	0	0	0	
Jewell.....	20	0	0	0	0	0	2	6	10	2	0	0	0	
Johnson.....	7,244	2	35	31	111	300	998	2,627	2,288	740	106	5	1	
Kearny.....	66	1	0	0	0	4	17	20	21	3	0	0	0	
Kingman.....	95	0	0	6	2	4	9	35	24	13	2	0	0	
Kiowa.....	38	0	2	0	1	0	8	15	10	2	0	0	0	
Labette.....	289	1	1	1	6	20	67	102	62	23	6	0	0	
Lane.....	17	0	0	0	0	1	4	7	3	0	2	0	0	
Leavenworth.....	926	0	4	5	8	35	161	318	281	97	15	2	0	
Lincoln.....	41	0	0	0	0	1	7	17	13	3	0	0	0	
Linn.....	103	0	0	0	1	8	18	40	28	6	1	1	0	
Logan.....	36	0	0	1	1	0	6	15	9	2	2	0	0	

Table 14
 Live Births By Birth Weight In Grams
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Birth Weight in Grams												
		Under 500	500 - 999	1000 - 1499	1500 - 1999	2000 - 2499	2500 - 2999	3000 - 3499	3500 - 3999	4000 - 4499	4500 - 4999	5000 & Over	N.S.	
Lyon.....	516	1	4	6	10	23	76	208	144	34	9	1	0	
Marion.....	122	0	1	0	1	7	14	56	30	11	2	0	0	
Marshall.....	104	0	0	3	1	6	16	28	34	13	3	0	0	
McPherson.....	344	1	0	6	5	16	41	148	103	19	5	0	0	
Meade.....	52	0	0	0	1	3	9	15	14	9	1	0	0	
Miami.....	356	0	3	1	5	23	49	128	106	37	2	2	0	
Mitchell.....	71	0	0	1	0	2	18	23	19	7	1	0	0	
Montgomery.....	493	4	2	2	5	12	105	194	133	32	4	0	0	
Morris.....	46	0	1	0	0	1	7	18	13	5	1	0	0	
Morton.....	59	0	0	0	0	1	16	24	16	1	1	0	0	
Nemaha.....	126	0	1	0	0	4	13	54	32	17	4	1	0	
Neosho.....	200	1	1	2	1	11	42	76	52	12	2	0	0	
Ness.....	31	0	0	0	0	0	3	14	7	6	1	0	0	
Norton.....	61	0	0	0	0	0	12	31	16	1	1	0	0	
Osage.....	201	0	0	1	1	8	27	78	77	9	0	0	0	
Osborne.....	38	0	0	0	0	3	12	14	8	1	0	0	0	
Ottawa.....	65	0	0	2	1	3	9	23	23	4	0	0	0	
Pawnee.....	67	0	0	1	1	3	16	26	16	4	0	0	0	
Phillips.....	66	0	0	0	1	3	10	26	22	4	0	0	0	
Pottawatomie.....	272	1	0	1	3	11	34	102	80	35	5	0	0	
Pratt.....	124	0	2	2	5	4	15	53	38	4	1	0	0	
Rawlins.....	20	0	0	0	0	1	1	6	7	4	1	0	0	
Reno.....	842	3	2	6	6	33	154	323	250	54	10	1	0	
Republic.....	50	0	0	0	0	1	7	23	14	4	1	0	0	
Rice.....	117	0	0	0	1	7	16	43	40	8	2	0	0	
Riley.....	945	0	6	5	9	30	179	335	283	82	15	1	0	
Rooks.....	56	0	0	0	0	3	10	24	15	4	0	0	0	
Rush.....	40	0	0	1	0	1	7	13	15	3	0	0	0	
Russell.....	58	0	1	2	1	4	8	21	16	3	2	0	0	
Saline.....	753	2	3	4	9	40	133	282	222	51	7	0	0	
Scott.....	70	0	0	0	0	8	10	29	18	5	0	0	0	
Sedgwick.....	7,562	25	46	56	111	327	1,298	2,832	2,128	636	96	7	0	
Seward.....	530	0	3	4	7	20	94	194	157	42	3	5	1	
Shawnee.....	2,513	4	9	18	36	112	426	968	723	189	25	3	0	
Sheridan.....	27	0	0	0	1	2	0	12	8	4	0	0	0	
Sherman.....	78	0	0	0	2	4	24	25	20	3	0	0	0	
Smith.....	29	0	0	0	1	1	7	11	8	0	1	0	0	
Stafford.....	46	0	0	1	0	1	10	17	12	4	1	0	0	
Stanton.....	34	0	0	0	0	1	8	12	11	2	0	0	0	
Stevens.....	83	0	0	1	1	5	13	30	29	3	1	0	0	
Sumner.....	341	1	2	1	2	26	44	116	106	38	5	0	0	
Thomas.....	108	0	0	1	1	8	19	25	40	12	2	0	0	
Trego.....	31	0	0	0	0	0	6	11	8	6	0	0	0	
Wabaunsee.....	73	0	0	0	0	2	8	31	24	6	2	0	0	
Wallace.....	14	0	0	0	2	2	4	2	3	1	0	0	0	
Washington.....	57	0	1	2	1	2	6	24	16	5	0	0	0	
Wichita.....	35	1	0	0	2	1	5	8	13	3	2	0	0	
Wilson.....	124	0	1	1	1	4	27	50	28	12	0	0	0	
Woodson.....	37	0	0	0	2	2	16	14	3	0	0	0	0	
Wyandotte.....	2,914	10	16	20	45	151	553	1,095	769	216	36	3	0	

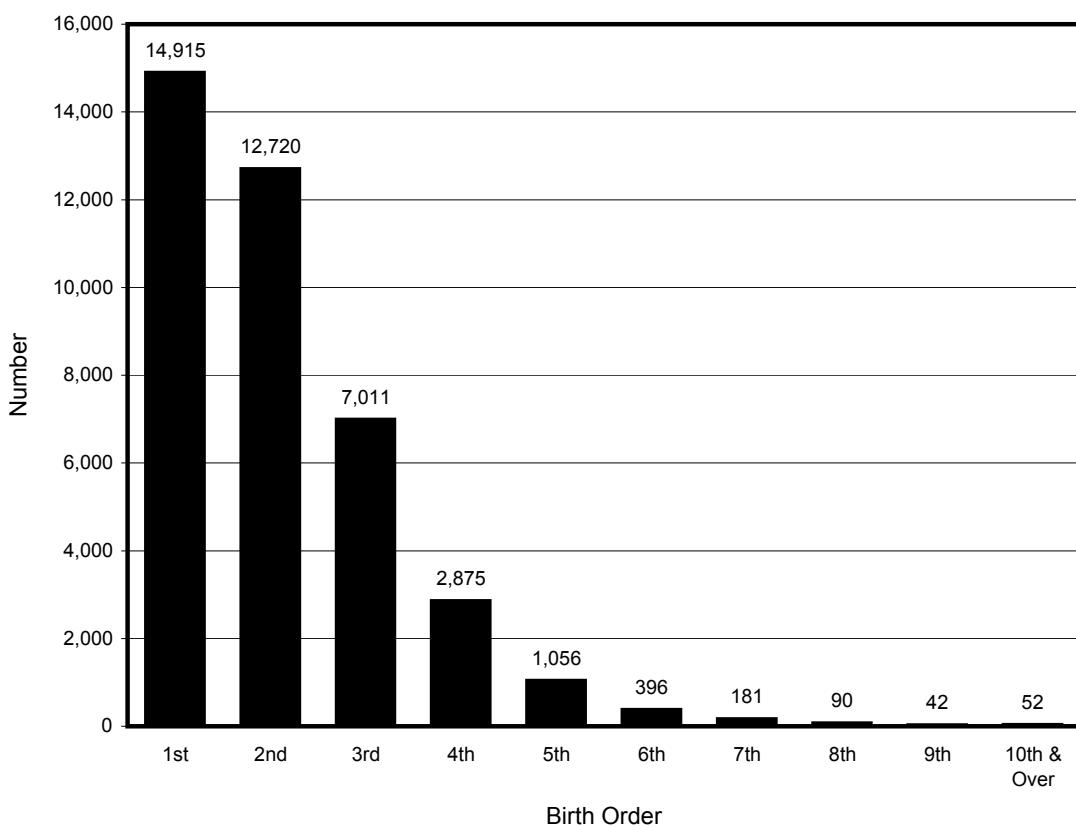
Table 15
 Live Births By Age-Group Of Mother By Birth Weight In Grams
 Kansas, 2002

Age-Group of Mother	Total	Birth Weight in Grams												
		Under 500	500 - 999	1,000 - 1,499	1,500 - 1,999	2,000 - 2,499	2,500 - 2,999	3,000 - 3,499	3,500 - 3,999	4,000 - 4,499	4,500 - 4,999	5,000 & Over	N.S.	
Total.....	39,338	73	183	259	532	1,711	6,550	14,836	11,355	3,311	484	41	3	
10-14.....	51	0	0	0	2	2	14	17	15	1	0	0	0	
15-19.....	4,282	14	34	41	72	233	881	1,770	987	221	18	11	0	
20-24.....	11,152	22	56	57	125	497	2,134	4,426	2,980	755	94	5	1	
25-29.....	10,960	18	41	64	140	414	1,641	4,181	3,327	979	143	11	1	
30-34.....	8,561	10	25	56	125	333	1,253	2,973	2,733	885	158	9	1	
35-39.....	3,540	8	21	30	54	177	508	1,207	1,082	388	62	3	0	
40-44.....	729	0	5	9	13	47	106	239	222	79	7	2	0	
45 & Over.....	57	0	0	2	1	8	13	21	7	3	2	0	0	
N.S.....	6	1	1	0	0	0	0	2	2	0	0	0	0	

Residence data

Live Birth by Birth Order

Kansas, 2002



Residence Data

Figure 14

Table 16
Live Births By Age-Group Of Mother By Birth Order
Kansas, 2002

Birth Order	Total	Age-Group of Mother								
		Under 18	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over
Total.....	39,338	1,312	51	4,282	11,152	10,960	8,561	3,540	729	57
First.....	14,915	1,199	51	3,461	4,988	3,724	1,945	618	109	18
Second.....	12,720	102	0	716	3,939	3,732	3,108	1,025	187	10
Third.....	7,011	11	0	97	1,622	2,167	2,041	928	148	7
Fourth.....	2,875	0	0	8	465	903	883	499	109	7
Fifth.....	1,056	0	0	0	108	308	345	220	71	4
Sixth.....	396	0	0	0	22	85	136	110	39	4
Seventh.....	181	0	0	0	4	28	61	58	28	2
Eighth.....	90	0	0	0	4	10	28	32	14	2
Ninth.....	42	0	0	0	0	3	8	24	6	1
Tenth & Over.....	52	0	0	0	0	0	6	26	18	2
N.S.....	0	0	0	0	0	0	0	0	0	0

Residence data

Table 17
 Live Births By Sex Of Infant And Race Of Mother
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Males					Females				
		White	Black	Other	N.S.	Total	White	Black	Other	N.S.	Total
Kansas.....	39,338	17,683	1,487	845	41	20,056	17,057	1,385	807	33	19,282
Allen.....	159	76	1	2	0	79	79	1	0	0	80
Anderson.....	100	51	0	0	0	51	47	1	1	0	49
Atchison.....	213	99	6	1	0	106	97	6	4	0	107
Barber.....	39	17	1	0	0	18	21	0	0	0	21
Barton.....	357	182	3	1	0	186	163	7	1	0	171
Bourbon.....	212	112	2	3	0	117	91	2	2	0	95
Brown.....	141	65	2	6	0	73	57	2	9	0	68
Butler.....	727	370	3	9	0	382	337	2	5	1	345
Chase.....	31	18	0	0	0	18	13	0	0	0	13
Chautauqua.....	37	22	0	0	0	22	15	0	0	0	15
Cherokee.....	308	165	2	6	1	174	124	0	9	1	134
Cheyenne.....	23	14	0	0	0	14	8	0	1	0	9
Clark.....	21	10	0	1	0	11	10	0	0	0	10
Clay.....	97	43	0	2	0	45	50	1	1	0	52
Cloud.....	116	55	1	1	0	57	58	0	1	0	59
Coffey.....	107	54	0	0	0	54	52	0	1	0	53
Comanche.....	15	5	0	0	0	5	10	0	0	0	10
Cowley.....	479	220	5	10	1	236	221	9	13	0	243
Crawford.....	508	255	4	5	0	264	235	2	6	1	244
Decatur.....	26	16	0	0	0	16	10	0	0	0	10
Dickinson.....	195	93	1	1	1	96	99	0	0	0	99
Doniphan.....	85	42	1	0	0	43	40	0	2	0	42
Douglas.....	1,208	515	30	53	7	605	515	22	64	2	603
Edwards.....	39	21	0	0	0	21	18	0	0	0	18
Elk.....	36	19	0	0	0	19	16	0	1	0	17
Ellis.....	351	180	0	3	0	183	163	2	3	0	168
Ellsworth.....	44	23	0	0	0	23	21	0	0	0	21
Finney.....	786	390	6	11	0	407	366	3	10	0	379
Ford.....	627	288	4	12	2	306	315	2	4	0	321
Franklin.....	374	184	3	0	0	187	183	1	3	0	187
Geary.....	580	221	69	21	1	312	189	62	17	0	268
Gove.....	23	8	0	0	0	8	15	0	0	0	15
Graham.....	22	9	2	0	1	12	10	0	0	0	10
Grant.....	156	76	0	1	0	77	79	0	0	0	79
Gray.....	92	43	0	0	0	43	48	0	1	0	49
Greeley.....	22	11	0	0	0	11	11	0	0	0	11
Greenwood.....	85	39	0	0	0	39	45	0	1	0	46
Hamilton.....	49	24	0	0	0	24	25	0	0	0	25
Harper.....	72	38	0	0	0	38	34	0	0	0	34
Harvey.....	445	205	0	3	0	208	226	7	3	1	237
Haskell.....	67	32	0	0	0	32	35	0	0	0	35
Hodgeman.....	21	14	0	0	0	14	6	0	1	0	7
Jackson.....	166	64	0	12	0	76	77	1	12	0	90
Jefferson.....	201	103	1	3	0	107	94	0	0	0	94
Jewell.....	20	14	0	0	0	14	6	0	0	0	6
Johnson.....	7,244	3408	127	203	6	3,744	3157	132	205	6	3,500
Kearny.....	66	31	0	0	0	31	34	0	0	1	35
Kingman.....	95	47	0	1	0	48	46	0	1	0	47
Kiowa.....	38	17	0	0	0	17	21	0	0	0	21
Labette.....	289	144	9	2	0	155	124	8	2	0	134
Lane.....	17	7	0	0	0	7	8	1	1	0	10
Leavenworth.....	926	407	55	10	3	475	395	42	14	0	451
Lincoln.....	41	27	0	0	0	27	14	0	0	0	14
Linn.....	103	58	0	0	0	58	44	0	1	0	45
Logan.....	36	19	0	0	0	19	17	0	0	0	17

Table 17
 Live Births By Sex Of Infant And Race Of Mother
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Males					Females				
		White	Black	Other	N.S.	Total	White	Black	Other	N.S.	Total
Lyon.....	516	243	5	8	1	257	242	9	8	0	259
Marion.....	122	67	0	0	0	67	54	0	1	0	55
Marshall.....	104	55	0	0	0	55	49	0	0	0	49
McPherson.....	344	158	1	3	0	162	177	3	2	0	182
Meade.....	52	22	0	1	0	23	29	0	0	0	29
Miami.....	356	159	3	3	0	165	190	1	0	0	191
Mitchell.....	71	34	0	0	0	34	35	0	2	0	37
Montgomery.....	493	196	29	8	7	240	222	19	9	3	253
Morris.....	46	21	0	0	0	21	24	0	1	0	25
Morton.....	59	17	0	1	2	20	39	0	0	0	39
Nemaha.....	126	64	1	2	0	67	57	0	2	0	59
Neosho.....	200	100	3	3	1	107	91	0	2	0	93
Ness.....	31	16	0	0	0	16	14	0	1	0	15
Norton.....	61	31	0	2	0	33	28	0	0	0	28
Osage.....	201	103	1	2	0	106	93	1	1	0	95
Osborne.....	38	16	0	0	0	16	21	0	1	0	22
Ottawa.....	65	35	0	0	0	35	29	0	1	0	30
Pawnee.....	67	38	1	1	0	40	27	0	0	0	27
Phillips.....	66	37	0	0	0	37	29	0	0	0	29
Pottawatomie.....	272	127	0	1	0	128	140	2	2	0	144
Pratt.....	124	65	0	2	0	67	56	0	1	0	57
Rawlins.....	20	10	0	0	0	10	10	0	0	0	10
Reno.....	842	380	5	4	1	390	437	10	5	0	452
Republic.....	50	26	0	0	0	26	24	0	0	0	24
Rice.....	117	58	2	0	0	60	57	0	0	0	57
Riley.....	945	415	52	32	0	499	380	35	29	2	446
Rooks.....	56	27	0	0	0	27	28	1	0	0	29
Rush.....	40	26	0	0	0	26	14	0	0	0	14
Russell.....	58	31	0	0	0	31	26	0	1	0	27
Saline.....	753	321	15	14	0	350	376	15	12	0	403
Scott.....	70	40	0	0	0	40	29	0	0	1	30
Sedgwick.....	7,562	3154	424	251	5	3,834	3076	422	225	5	3,728
Seward.....	530	246	7	6	0	259	250	11	8	2	271
Shawnee.....	2,513	1096	139	52	1	1,288	1038	138	45	4	1,225
Sheridan.....	27	14	0	0	0	14	13	0	0	0	13
Sherman.....	78	44	0	0	0	44	34	0	0	0	34
Smith.....	29	13	0	1	0	14	15	0	0	0	15
Stafford.....	46	29	0	0	0	29	17	0	0	0	17
Stanton.....	34	17	0	0	0	17	17	0	0	0	17
Stevens.....	83	40	0	0	0	40	43	0	0	0	43
Sumner.....	341	182	3	0	0	185	156	0	0	0	156
Thomas.....	108	65	0	0	0	65	43	0	0	0	43
Trego.....	31	12	0	0	0	12	19	0	0	0	19
Wabaunsee.....	73	34	0	1	0	35	37	0	1	0	38
Wallace.....	14	5	0	0	0	5	9	0	0	0	9
Washington.....	57	32	0	2	0	34	23	0	0	0	23
Wichita.....	35	20	0	0	0	20	15	0	0	0	15
Wilson.....	124	74	0	3	0	77	46	0	1	0	47
Woodson.....	37	20	0	0	0	20	17	0	0	0	17
Wyandotte.....	2,914	978	458	59	0	1,495	968	402	46	3	1,419

Table 18
 Out-Of-Wedlock Births By Age-Group And Race Of Mother
 By County Of Residence
 Kansas, 2002

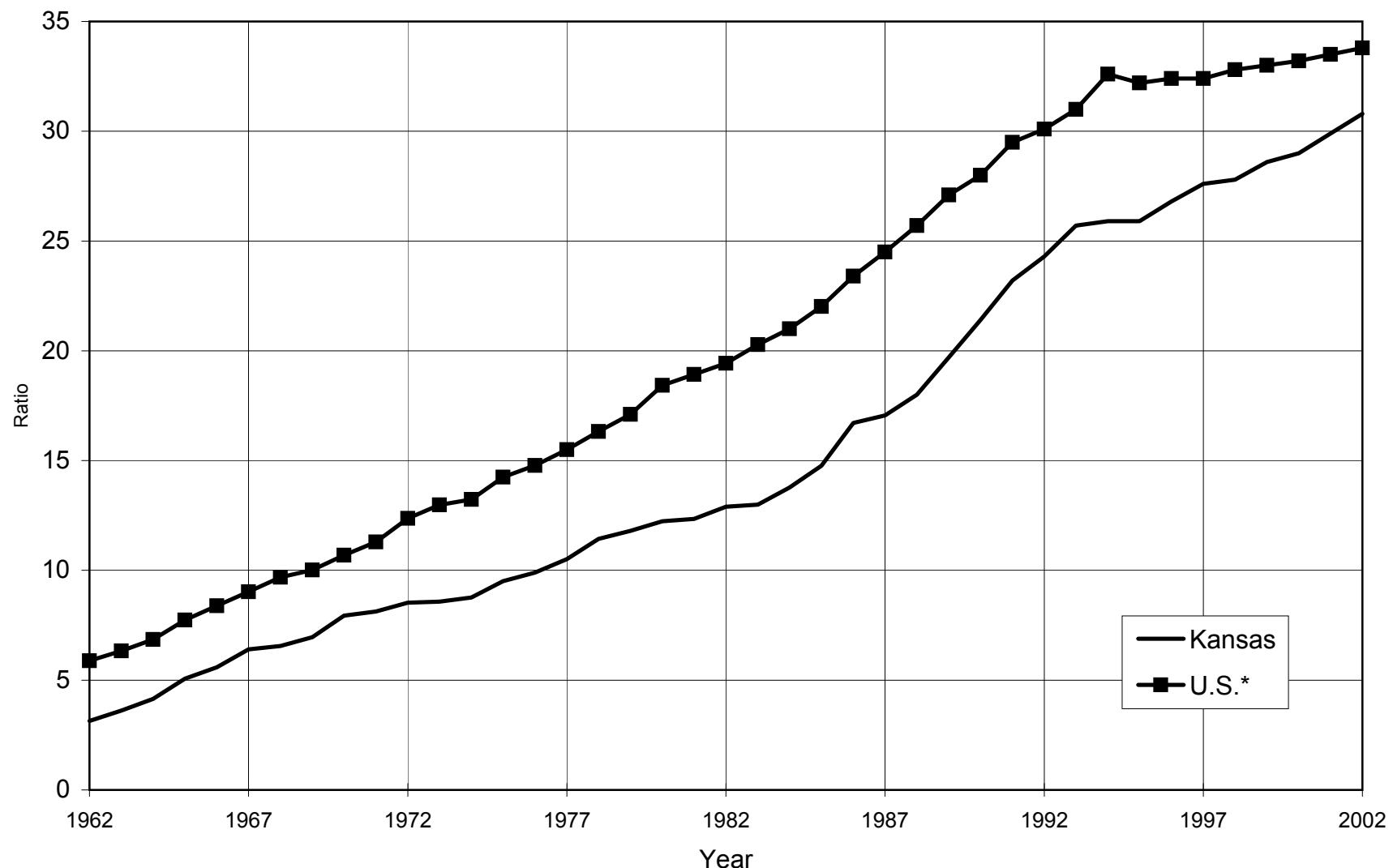
County of Residence	Total	Age-Group of Mother									Race of Mother			
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.	White	Black	Other Non-White	N.S.
Kansas.....	12,121	51	3,392	5,180	2,060	934	400	92	8	4	9,714	1,945	426	36
Allen.....	64	0	21	31	7	5	0	0	0	0	61	2	1	0
Anderson.....	28	0	7	13	3	5	0	0	0	0	27	1	0	0
Atchison.....	88	0	25	40	12	7	2	2	0	0	78	8	2	0
Barber.....	8	0	2	4	0	1	1	0	0	0	8	0	0	0
Barton.....	141	2	38	65	19	9	6	1	0	1	131	8	2	0
Bourbon.....	84	0	35	30	13	4	2	0	0	0	79	2	3	0
Brown.....	53	0	22	19	6	3	3	0	0	0	38	4	11	0
Butler.....	200	1	69	85	29	10	6	0	0	0	193	2	4	1
Chase.....	6	0	1	3	2	0	0	0	0	0	6	0	0	0
Chautauqua.....	15	0	3	8	4	0	0	0	0	0	15	0	0	0
Cherokee.....	93	0	29	43	13	8	0	0	0	0	84	1	7	1
Cheyenne.....	1	0	1	0	0	0	0	0	0	0	1	0	0	0
Clark.....	6	0	2	4	0	0	0	0	0	0	6	0	0	0
Clay.....	21	0	5	8	5	1	2	0	0	0	18	1	2	0
Cloud.....	36	0	12	18	5	0	1	0	0	0	35	1	0	0
Coffey.....	37	0	13	12	11	1	0	0	0	0	37	0	0	0
Comanche.....	1	0	0	1	0	0	0	0	0	0	1	0	0	0
Cowley.....	172	0	48	81	32	5	5	1	0	0	152	10	10	0
Crawford.....	196	0	50	100	33	9	4	0	0	0	184	6	5	1
Decatur.....	8	0	3	4	1	0	0	0	0	0	8	0	0	0
Dickinson.....	63	0	15	29	12	3	4	0	0	0	63	0	0	0
Doniphan.....	23	0	5	13	2	2	1	0	0	0	21	0	2	0
Douglas.....	319	1	56	163	50	30	16	3	0	0	246	25	44	4
Edwards.....	14	0	7	4	1	1	0	1	0	0	14	0	0	0
Elk.....	10	0	7	1	1	0	1	0	0	0	10	0	0	0
Ellis.....	109	2	27	49	21	5	5	0	0	0	106	1	2	0
Ellsworth.....	11	0	4	5	1	1	0	0	0	0	11	0	0	0
Finney.....	307	1	86	133	47	28	11	1	0	0	297	4	6	0
Ford.....	250	2	71	101	38	27	8	3	0	0	234	4	11	1
Franklin.....	133	1	49	49	17	11	4	2	0	0	131	2	0	0
Geary.....	176	0	35	91	35	8	5	2	0	0	111	51	13	1
Gove.....	2	0	0	2	0	0	0	0	0	0	2	0	0	0
Graham.....	7	0	2	4	0	1	0	0	0	0	5	1	0	1
Grant.....	48	0	18	21	3	3	2	1	0	0	48	0	0	0
Gray.....	14	0	4	7	1	1	1	0	0	0	13	0	1	0
Greeley.....	3	0	3	0	0	0	0	0	0	0	3	0	0	0
Greenwood.....	31	0	12	11	5	0	2	1	0	0	31	0	0	0
Hamilton.....	19	0	9	7	2	1	0	0	0	0	19	0	0	0
Harper.....	16	0	10	3	1	2	0	0	0	0	16	0	0	0
Harvey.....	126	0	47	47	17	13	2	0	0	0	117	7	2	0
Haskell.....	13	0	3	6	2	0	1	1	0	0	13	0	0	0
Hodgeman.....	7	0	2	2	3	0	0	0	0	0	7	0	0	0
Jackson.....	53	1	21	17	7	4	1	2	0	0	41	0	12	0
Jefferson.....	42	0	13	24	3	1	1	0	0	0	42	0	0	0
Jewell.....	3	0	1	2	0	0	0	0	0	0	3	0	0	0
Johnson.....	1,066	1	279	436	189	108	38	14	1	0	911	120	32	3
Kearny.....	22	0	9	9	3	1	0	0	0	0	21	0	0	1
Kingman.....	15	0	7	5	1	1	1	0	0	0	15	0	0	0
Kiowa.....	3	0	1	1	0	0	1	0	0	0	3	0	0	0
Labette.....	104	0	40	44	11	4	5	0	0	0	87	15	2	0
Lane.....	5	0	3	1	0	1	0	0	0	0	4	1	0	0
Leavenworth.....	240	1	53	109	45	18	10	4	0	0	180	55	5	0
Lincoln.....	8	0	0	3	3	0	2	0	0	0	8	0	0	0
Linn.....	20	0	7	7	6	0	0	0	0	0	19	0	1	0
Logan.....	3	0	1	1	1	0	0	0	0	0	3	0	0	0

Table 18
 Out-Of-Wedlock Births By Age-Group And Race Of Mother
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Age-Group of Mother									Race of Mother			
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.	White	Black	Other Non-White	N.S.
Lyon.....	190	1	53	82	27	19	7	1	0	0	176	11	3	0
Marion.....	24	0	9	8	4	1	2	0	0	0	23	0	1	0
Marshall.....	23	0	7	10	2	3	0	1	0	0	23	0	0	0
McPherson.....	78	0	24	36	9	7	0	2	0	0	73	4	1	0
Meade.....	8	0	2	5	0	1	0	0	0	0	8	0	0	0
Miami.....	88	0	26	43	9	5	4	1	0	0	85	1	2	0
Mitchell.....	14	0	4	5	4	0	1	0	0	0	14	0	0	0
Montgomery.....	215	2	61	99	33	18	2	0	0	0	157	39	9	10
Morris.....	11	0	3	7	1	0	0	0	0	0	11	0	0	0
Morton.....	20	1	6	9	3	1	0	0	0	0	18	0	0	2
Nemaha.....	18	0	6	10	1	1	0	0	0	0	16	0	2	0
Neosho.....	73	0	22	31	14	2	4	0	0	0	69	2	2	0
Ness.....	10	0	3	7	0	0	0	0	0	0	9	0	1	0
Norton.....	16	0	0	11	3	1	1	0	0	0	15	0	1	0
Osage.....	43	0	7	22	8	5	1	0	0	0	41	1	1	0
Osborne.....	6	0	2	3	1	0	0	0	0	0	6	0	0	0
Ottawa.....	13	0	5	4	3	1	0	0	0	0	12	0	1	0
Pawnee.....	20	0	9	7	2	0	1	1	0	0	20	0	0	0
Phillips.....	15	0	9	2	4	0	0	0	0	0	15	0	0	0
Pottawatomie.....	51	0	12	24	10	2	3	0	0	0	49	1	1	0
Pratt.....	28	0	14	11	2	1	0	0	0	0	27	0	1	0
Rawlins.....	3	0	0	1	2	0	0	0	0	0	3	0	0	0
Reno.....	310	1	74	160	49	17	8	1	0	0	292	14	3	1
Republic.....	11	0	3	5	1	1	0	1	0	0	11	0	0	0
Rice.....	39	0	14	17	5	2	1	0	0	0	38	1	0	0
Riley.....	139	0	35	64	24	8	6	1	1	0	112	24	3	0
Rooks.....	14	0	6	6	2	0	0	0	0	0	14	0	0	0
Rush.....	9	0	2	4	1	1	1	0	0	0	9	0	0	0
Russell.....	22	0	7	12	2	1	0	0	0	0	21	0	1	0
Saline.....	266	0	68	122	41	19	15	1	0	0	240	19	7	0
Scott.....	20	0	3	11	6	0	0	0	0	0	19	0	0	1
Sedgwick.....	2,689	19	729	1,095	505	234	84	21	1	1	1,959	617	109	4
Seward.....	223	2	66	86	38	17	12	2	0	0	200	13	9	1
Shawnee.....	986	3	271	424	181	63	36	7	1	0	724	212	48	2
Sheridan.....	4	0	1	3	0	0	0	0	0	0	4	0	0	0
Sherman.....	27	1	6	15	3	1	0	0	1	0	27	0	0	0
Smith.....	5	0	1	3	0	1	0	0	0	0	5	0	0	0
Stafford.....	14	0	7	2	2	2	1	0	0	0	14	0	0	0
Stanton.....	13	0	3	6	2	2	0	0	0	0	13	0	0	0
Stevens.....	25	0	13	10	2	0	0	0	0	0	25	0	0	0
Sumner.....	107	0	38	51	13	4	1	0	0	0	106	1	0	0
Thomas.....	29	0	8	14	4	2	1	0	0	0	29	0	0	0
Trego.....	5	0	1	2	2	0	0	0	0	0	5	0	0	0
Wabaunsee.....	15	0	6	7	0	1	0	1	0	0	15	0	0	0
Wallace.....	1	0	0	1	0	0	0	0	0	0	1	0	0	0
Washington.....	6	0	1	4	0	0	0	1	0	0	5	0	1	0
Wichita.....	7	0	0	5	0	1	0	1	0	0	7	0	0	0
Wilson.....	52	0	19	16	10	4	0	3	0	0	50	0	2	0
Woodson.....	13	0	3	7	1	1	1	0	0	0	13	0	0	0
Wyandotte.....	1,560	8	430	615	301	141	53	7	3	2	869	653	37	1

Out-of-Wedlock Birth Ratios

Kansas and the U.S., 1962-2002



*2002 Ratio Provisional

Ratio per 1,000 Live Births

Residence Data

Figure 15

Teen and Non-Teen Live Births: Percent Distribution

By Month Prenatal Care Began, Kansas, 2002

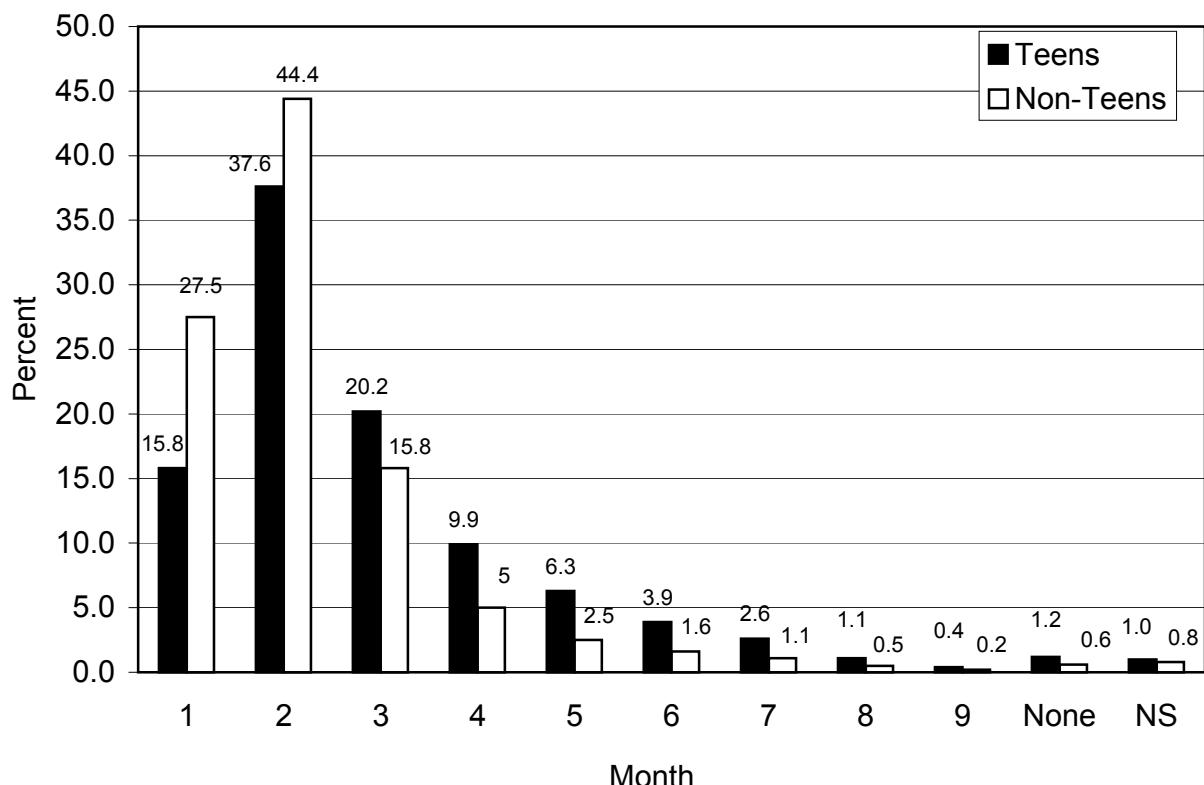


Figure 16

Teenage Live Births by Race of Mother Kansas, 1992 and 2002

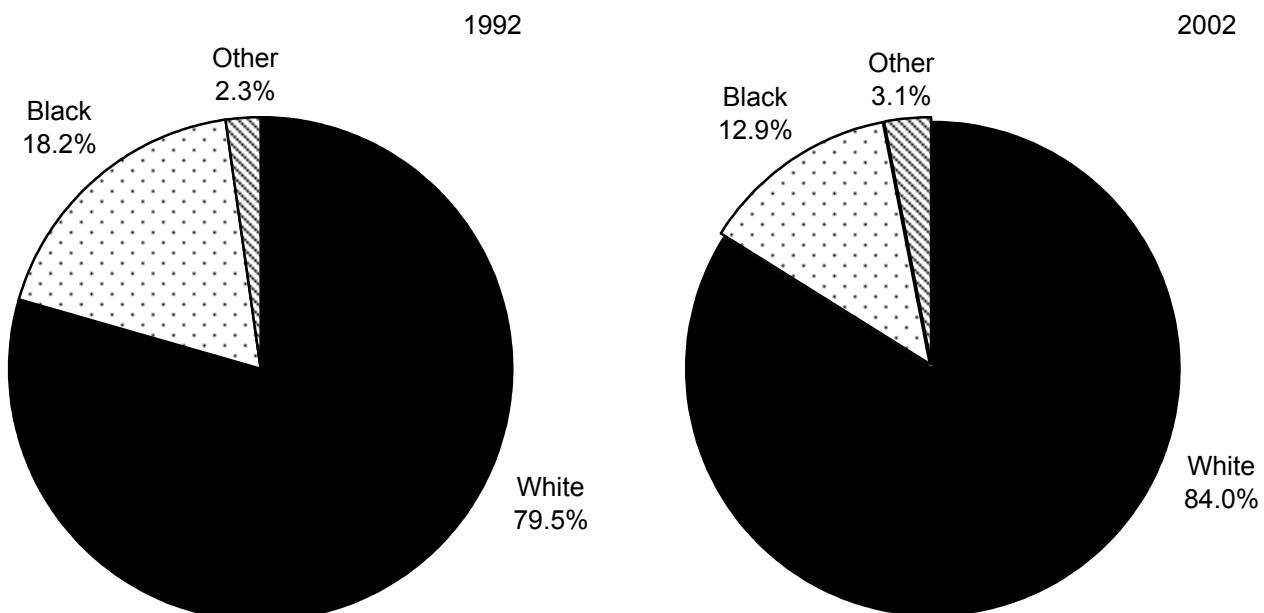
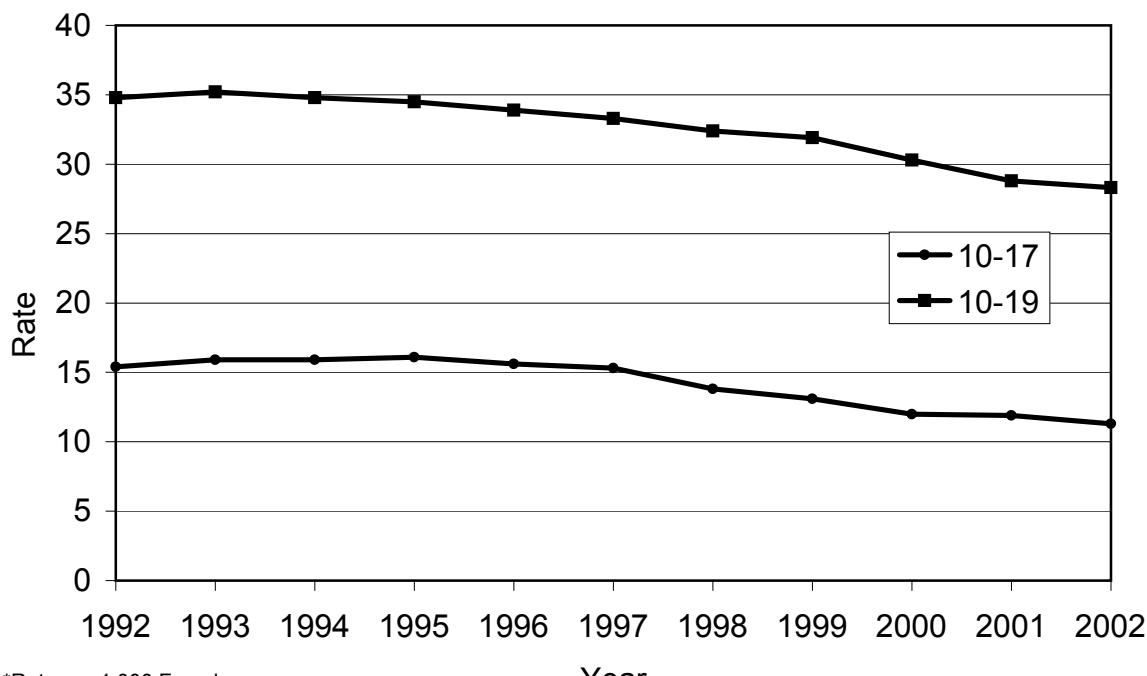


Figure 17

Teenage Pregnancy Rates*

By Age-Group, Kansas 1992-2002



*Rate per 1,000 Female
Age-Group Population
Residence Data

Figure 18

Table 19
Teenage Pregnancies By Number and Rate
For Mothers Under 20
Kansas, 1992-2002

Year	Total Teen Pregnancies	Age-Group				Total Teen Pregnancy Rate	Pregnancy Rate		
		10-14	15-17	18-19	15-19		10-14	10-17	15-19
1992	6,165	111	2,110	3,944	6,054	34.8	1.2	15.4	72.6
1993	6,405	133	2,219	4,053	6,272	35.2	1.4	15.9	73.3
1994	6,500	124	2,302	4,074	6,376	34.8	1.3	15.9	71.9
1995	6,552	153	2,332	4,067	6,399	34.5	1.6	16.1	69.5
1996	6,498	133	2,276	4,089	6,365	33.9	1.4	15.6	67.0
1997	6,469	123	2,383	4,086	6,346	33.3	1.3	15.3	64.7
1998	6,444	108	2,087	4,249	6,336	32.4	1.1	13.8	62.0
1999	6,402	103	1,979	4,320	6,299	31.9	1.1	13.1	60.7
2000	6,090	94	1,819	4,177	5,996	30.3	0.9	12.0	58.7
2001	5,818	79	1,819	3,920	5,739	28.8	0.8	11.9	56.0
2002	5,586	86	1,684	3,816	5,500	28.3	0.9	11.3	54.7

*Rate per 1,000 female age-group population

Total pregnancies is the sum of live births, reported abortions and fetal deaths
Residence data

Table 20
Teenage Pregnancies By Number and Rate*
By Race and Hispanic Origin
For Mothers Under 20
Kansas, 1993-2002

Year	White								Black								Hispanic Origin**							
	10-14		10-17		15-19		10-19		10-14		10-17		15-19		10-19		10-14		10-17		15-19		10-19	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate												
1993	74	0.9	1,782	13.3	5,059	65.2	5,133	31.3	49	7.1	477	45.2	980	161.7	1,029	79.5	13	2.4	211	25.5	502	105.5	515	50.8
1994	83	0.9	1,910	14.0	5,233	65.1	5,316	31.7	37	5.4	454	42.3	957	152.5	994	75.6	17	3.0	247	28.2	594	115.9	611	56.5
1995	97	1.1	1,958	14.2	5,255	62.9	5,352	31.4	51	7.6	454	42.1	931	141.6	982	73.8	16	2.7	280	30.1	605	108.3	621	53.9
1996	94	1.1	1,955	14.0	5,273	60.9	5,367	30.9	31	4.6	381	35.3	901	132.9	932	69.3	22	3.6	325	33.4	745	123.6	767	63.4
1997	87	1.0	1,890	13.3	5,226	58.5	5,313	30.1	29	4.3	411	37.2	920	132.9	949	69.1	24	3.7	327	31.3	763	119.4	787	61.1
1998	81	0.9	1,777	12.5	5,230	56.9	5,311	29.7	25	3.6	325	29.0	880	123.3	905	64.1	19	2.8	325	29.7	838	121.9	857	62.9
1999	65	0.7	1,659	11.6	5,203	55.8	5,268	29.3	28	3.9	339	29.8	885	123.4	913	63.6	16	2.2	352	30.5	859	118.3	875	60.5
2000	69	0.8	1,556	11.7	4,966	58.2	5,035	30.1	23	3.3	299	27.4	809	122.9	832	61.4	24	2.8	385	28.8	960	115.0	984	58.3
2001	56	0.7	1,558	11.1	4,748	52.6	4,804	27.2	23	2.8	271	21.7	729	101.0	752	49.1	14	1.6	364	26.2	907	109.1	921	53.4
2002	53	0.6	1,436	10.4	4,560	50.9	4,613	26.4	28	3.4	269	21.1	731	98.6	759	48.5	18	1.9	364	24.9	927	109.3	945	52.5

*Rate per 1,000 female race/Hispanic age-group population

**Hispanic can be of any race

Residence data

Table 21
 Teenage Pregnancies By Age-Group* And Component
 By County Of Residence And By Peer Group**
 Kansas, 2002

County of Residence	Live Births		Fetal Deaths		Abortions***		Total Pregnancies			Teenage**** Preg. Rates	
	Age-Group		Age-Group		Age-Group		Age-Group				
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-19		
Kansas.....	51	4,282	0	27	35	1,191	86	5,500	5,586	28.3	
Allen.....	0	23	0	2	0	8	0	33	33	32.5	
Anderson.....	0	12	0	0	0	1	0	13	13	21.5	
Atchison.....	0	27	0	0	0	4	0	31	31	22.5	
Barber.....	0	4	0	0	0	1	0	5	5	12.4	
Barton.....	2	51	0	1	2	18	4	70	74	35.2	
Bourbon.....	0	41	0	0	0	8	0	49	49	45.4	
Brown.....	0	25	0	0	0	1	0	26	26	33.0	
Butler.....	1	89	0	2	0	23	1	114	115	23.8	
Chase.....	0	4	0	0	0	0	0	4	4	21.5	
Chautauqua.....	0	5	0	0	0	0	0	5	5	16.2	
Cherokee.....	0	47	0	0	0	2	0	49	49	31.3	
Cheyenne.....	0	2	0	0	0	0	0	2	2	9.0	
Clark.....	0	2	0	0	0	0	0	2	2	12.4	
Clay.....	0	10	0	1	0	2	0	13	13	20.7	
Cloud.....	0	15	0	0	0	4	0	19	19	26.0	
Coffey.....	0	14	0	0	0	2	0	16	16	23.6	
Comanche.....	0	0	0	0	0	0	0	0	0	0.0	
Cowley.....	0	68	0	1	0	21	0	90	90	31.3	
Crawford.....	0	64	0	0	0	12	0	76	76	29.5	
Decatur.....	0	3	0	0	0	1	0	4	4	16.9	
Dickinson.....	0	23	0	0	0	3	0	26	26	17.9	
Doniphan.....	0	6	0	0	0	2	0	8	8	12.7	
Douglas.....	1	73	0	0	0	73	1	146	147	19.0	
Edwards.....	0	9	0	1	0	2	0	12	12	51.5	
Elk.....	0	7	0	0	0	0	0	7	7	27.8	
Ellis.....	2	28	0	0	0	3	2	31	33	17.5	
Ellsworth.....	0	5	0	0	0	2	0	7	7	16.2	
Finney.....	1	113	0	2	0	13	1	128	129	38.9	
Ford.....	2	90	0	0	1	13	3	103	106	43.7	
Franklin.....	1	61	0	1	0	7	1	69	70	36.2	
Geary.....	0	87	0	2	1	21	1	110	111	59.4	
Gove.....	0	0	0	0	1	0	1	0	1	4.7	
Graham.....	0	2	0	0	0	1	0	3	3	15.5	
Grant.....	0	25	0	0	0	1	0	26	26	37.2	
Gray.....	0	4	0	0	0	0	0	4	4	8.0	
Greeley.....	0	3	0	0	0	0	0	3	3	29.4	
Greenwood.....	0	15	0	0	0	3	0	18	18	35.1	
Hamilton.....	0	13	0	0	0	0	0	13	13	62.5	
Harper.....	0	11	0	0	0	4	0	15	15	32.0	
Harvey.....	0	58	0	0	0	8	0	66	66	25.7	
Haskell.....	0	6	0	0	0	3	0	9	9	25.2	
Hodgeman.....	0	3	0	0	0	0	0	3	3	14.9	
Jackson.....	1	22	0	0	0	1	1	23	24	23.5	
Jefferson.....	0	18	0	0	1	7	1	25	26	18.9	
Jewell.....	0	1	0	0	0	1	0	2	2	8.6	
Johnson.....	1	339	0	3	2	199	3	541	544	16.4	
Kearny.....	0	10	0	0	0	0	0	10	10	24.6	
Kingman.....	0	10	0	0	0	0	0	10	10	14.6	
Kiowa.....	0	2	0	0	0	0	0	2	2	8.2	
Labette.....	0	51	0	0	0	1	0	52	52	32.0	
Lane.....	0	3	0	0	0	1	0	4	4	28.0	
Leavenworth.....	1	73	0	0	2	43	3	116	119	23.5	
Lincoln.....	0	1	0	0	0	1	0	2	2	8.9	
Linn.....	0	9	0	0	0	4	0	13	13	18.8	
Logan.....	0	1	0	1	0	0	0	2	2	8.5	

Table 21
Teenage Pregnancies By Age-Group* And Component
By County Of Residence And By Peer Group**
Kansas, 2002

County of Residence	Live Births		Fetal Deaths		Abortions***		Total Pregnancies			Teenage**** Preg. Rates	
	Age-Group		Age-Group		Age-Group		Age-Group				
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-19		
Lyon.....	1	70	0	0	0	9	1	79	80	28.6	
Marion.....	0	12	0	1	0	4	0	17	17	16.8	
Marshall.....	0	10	0	0	0	1	0	11	11	13.2	
McPherson.....	0	33	0	0	0	3	0	36	36	15.5	
Meade.....	0	2	0	0	0	2	0	4	4	11.6	
Miami.....	0	31	0	0	0	11	0	42	42	18.6	
Mitchell.....	0	7	0	0	0	0	0	7	7	12.3	
Montgomery.....	2	80	0	1	0	14	2	95	97	39.0	
Morris.....	0	3	0	0	0	0	0	3	3	6.7	
Morton.....	1	6	0	0	0	0	1	6	7	25.7	
Nemaha.....	0	8	0	0	0	3	0	11	11	13.0	
Neosho.....	0	31	0	1	0	3	0	35	35	26.5	
Ness.....	0	4	0	0	0	3	0	7	7	32.3	
Norton.....	0	0	0	0	0	1	0	1	1	2.9	
Osage.....	0	13	0	0	0	7	0	20	20	15.4	
Osborne.....	0	2	0	0	0	0	0	2	2	6.8	
Ottawa.....	0	7	0	0	0	3	0	10	10	22.0	
Pawnee.....	0	15	0	0	1	2	1	17	18	37.7	
Phillips.....	0	9	0	0	0	1	0	10	10	24.7	
Pottawatomie.....	0	20	0	0	0	5	0	25	25	16.3	
Pratt.....	0	18	0	0	0	4	0	22	22	30.6	
Rawlins.....	0	0	0	0	0	0	0	0	0	0.0	
Reno.....	1	97	0	0	1	30	2	127	129	30.6	
Republic.....	0	4	0	0	0	0	0	4	4	10.2	
Rice.....	0	22	0	0	0	5	0	27	27	28.4	
Riley.....	0	76	0	0	0	37	0	113	113	26.0	
Rooks.....	0	6	0	0	0	1	0	7	7	18.3	
Rush.....	0	2	0	1	0	0	0	3	3	13.1	
Russell.....	0	7	0	0	1	0	1	7	8	17.8	
Saline.....	0	90	0	0	0	25	0	115	115	30.4	
Scott.....	0	7	0	0	0	2	0	9	9	23.9	
Sedgwick.....	19	880	0	4	6	223	25	1,107	1,132	33.9	
Seward.....	2	87	0	0	0	11	2	98	100	55.6	
Shawnee.....	3	312	0	1	2	92	5	405	410	35.9	
Sheridan.....	0	2	0	0	0	0	0	2	2	9.3	
Sherman.....	1	7	0	0	0	0	1	7	8	18.7	
Smith.....	0	1	0	0	0	0	0	1	1	3.3	
Stafford.....	0	10	0	0	0	0	0	10	10	27.0	
Stanton.....	0	5	0	0	0	1	0	6	6	30.5	
Stevens.....	0	18	0	0	0	0	0	18	18	38.5	
Sumner.....	0	45	0	0	1	5	1	50	51	25.2	
Thomas.....	0	9	0	0	0	4	0	13	13	21.5	
Trego.....	0	2	0	0	0	1	0	3	3	14.1	
Wabaunsee.....	0	8	0	0	0	3	0	11	11	21.2	
Wallace.....	0	1	0	0	0	0	0	1	1	6.4	
Washington.....	0	3	0	0	0	0	0	3	3	7.1	
Wichita.....	0	4	0	0	0	0	0	4	4	22.3	
Wilson.....	0	20	0	0	0	0	0	20	20	28.0	
Woodson.....	0	5	0	0	0	1	0	6	6	23.5	
Wyandotte.....	8	483	0	1	13	146	21	630	651	56.8	
Peer Group											
Frontier	1	101	0	3	1	15	2	119	121	17.2	
Rural	2	403	0	2	2	63	4	468	472	21.9	
Densely -Settled Rural ...	9	815	0	7	5	137	14	959	973	29.5	
Semi-Urban	7	876	0	6	4	240	11	1,122	1,133	29.2	
Urban	32	2,087	0	9	23	733	55	2,829	2,884	29.7	

*2002 female age-group county population estimates were compiled by the U.S. Bureau of the Census.

**See Technical Notes for Peer Group definition.

***County of residence for three abortions unknown.

****Rate per 1,000 female age-group population

Table 22
 Teenage Pregnancies For 10-17 Year Olds*
 By County Of Residence And By Peer Group**
 Kansas, 2002

County of Residence	Live Births	Fetal Deaths	Abortions***	Total Pregnancies	Pregnancy Rate****
Kansas.....	1,312	14	444	1,770	11.3
Allen.....	6	0	5	11	13.8
Anderson.....	4	0	0	4	8.2
Atchison.....	11	0	1	12	11.9
Barber.....	1	0	0	1	3.1
Barton.....	13	1	9	23	14.1
Bourbon.....	14	0	1	15	17.6
Brown.....	11	0	1	12	19.0
Butler.....	25	1	8	34	8.6
Chase.....	2	0	0	2	12.7
Chautauqua.....	1	0	0	1	4.1
Cherokee.....	14	0	0	14	10.9
Cheyenne.....	0	0	0	0	0.0
Clark.....	0	0	0	0	0.0
Clay.....	1	1	2	4	7.8
Cloud.....	4	0	1	5	9.6
Coffey.....	4	0	0	4	7.4
Comanche.....	0	0	0	0	0.0
Cowley.....	24	1	8	33	15.0
Crawford.....	16	0	4	20	11.0
Decatur.....	2	0	0	2	10.2
Dickinson.....	8	0	0	8	6.8
Doniphan.....	2	0	1	3	6.5
Douglas.....	23	0	13	36	8.0
Edwards.....	5	1	2	8	43.7
Elk.....	2	0	0	2	9.9
Ellis.....	7	0	0	7	5.4
Ellsworth.....	0	0	1	1	2.9
Finney.....	40	2	4	46	17.0
Ford.....	33	0	4	37	18.8
Franklin.....	17	1	3	21	13.3
Geary.....	8	0	7	15	9.6
Gove.....	0	0	1	1	5.6
Graham.....	1	0	0	1	6.6
Grant.....	7	0	1	8	14.2
Gray.....	1	0	0	1	2.5
Greeley.....	2	0	0	2	23.8
Greenwood.....	2	0	1	3	7.2
Hamilton.....	4	0	0	4	23.5
Harper.....	4	0	0	4	10.3
Harvey.....	17	0	5	22	11.0
Haskell.....	1	0	0	1	3.5
Hodgeman.....	0	0	0	0	0.0
Jackson.....	5	0	1	6	7.1
Jefferson.....	5	0	2	7	6.3
Jewell.....	0	0	1	1	5.6
Johnson.....	91	2	62	155	5.7
Kearny.....	5	0	0	5	14.8
Kingman.....	4	0	0	4	7.1
Kiowa.....	0	0	0	0	0.0
Labette.....	15	0	0	15	11.4
Lane.....	1	0	0	1	8.9
Leavenworth.....	18	0	22	40	9.7
Lincoln.....	0	0	0	0	0.0
Linn.....	6	0	3	9	15.9
Logan.....	0	0	0	0	0.0

Table 22
 Teenage Pregnancies For 10-17 Year Olds*
 By County Of Residence And By Peer Group**
 Kansas, 2002

County of Residence	Live Births	Fetal Deaths	Abortions***	Total Pregnancies	Pregnancy Rate****
Lyon.....	25	0	2	27	13.7
Marion.....	4	0	1	5	6.5
Marshall.....	3	0	0	3	4.5
McPherson.....	6	0	1	7	4.0
Meade.....	0	0	1	1	3.5
Miami.....	5	0	5	10	5.4
Mitchell.....	2	0	0	2	4.3
Montgomery.....	21	0	5	26	13.2
Morris.....	0	0	0	0	0.0
Morton.....	5	0	0	5	22.7
Nemaha.....	2	0	2	4	5.8
Neosho.....	8	1	1	10	9.6
Ness.....	3	0	2	5	28.7
Norton.....	0	0	1	1	3.5
Osage.....	1	0	6	7	6.7
Osborne.....	1	0	0	1	4.0
Ottawa.....	1	0	1	2	5.5
Pawnee.....	5	0	3	8	20.9
Phillips.....	5	0	0	5	15.5
Pottawatomie.....	5	0	0	5	4.0
Pratt.....	5	0	2	7	13.1
Rawlins.....	0	0	0	0	0.0
Reno.....	27	0	13	40	11.9
Republic.....	2	0	0	2	6.1
Rice.....	2	0	0	2	3.3
Riley.....	14	0	6	20	8.7
Rooks.....	1	0	1	2	6.6
Rush.....	1	0	0	1	5.4
Russell.....	3	0	1	4	11.3
Saline.....	25	0	12	37	11.9
Scott.....	2	0	1	3	10.0
Sedgwick.....	275	2	94	371	13.5
Seward.....	36	0	3	39	27.5
Shawnee.....	121	1	34	156	16.8
Sheridan.....	1	0	0	1	5.6
Sherman.....	3	0	0	3	8.5
Smith.....	0	0	0	0	0.0
Stafford.....	4	0	0	4	12.7
Stanton.....	1	0	0	1	6.4
Stevens.....	3	0	0	3	7.9
Sumner.....	8	0	4	12	7.3
Thomas.....	0	0	1	1	2.3
Trego.....	1	0	0	1	6.1
Wabaunsee.....	1	0	2	3	7.3
Wallace.....	0	0	0	0	0.0
Washington.....	1	0	0	1	2.9
Wichita.....	1	0	0	1	7.3
Wilson.....	3	0	0	3	5.1
Woodson.....	1	0	0	1	4.9
Wyandotte.....	181	0	63	244	25.9
Peer Group					
Frontier	39	1	7	47	8.3
Rural	108	1	27	136	8.0
Densely -Settled Rural	256	5	50	311	12.0
Semi-Urban	218	2	92	312	10.5
Urban	691	5	266	962	12.3

* The 2002 10-17 female age-group population estimates were compiled by the U.S. Census Bureau

** See Technical Notes for Peer Group definition.

*** County of Residence for two abortions unknown.

**** Rates per 1,000 female age-group population

Table 23
 Fetal Deaths By Age-Group Of Mother
 By County Of Residence
 Kansas, 2002

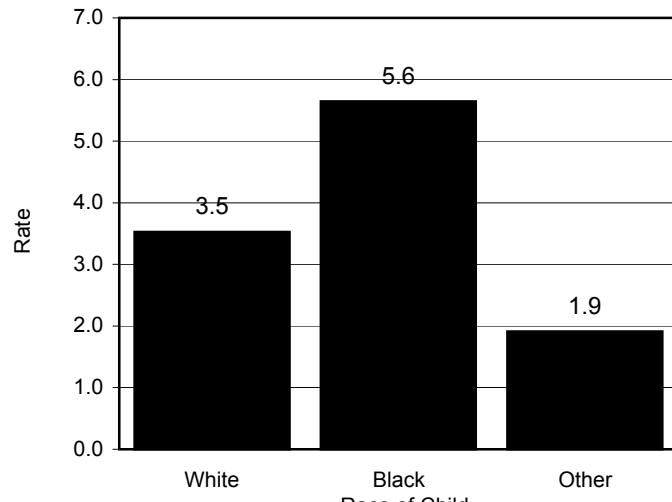
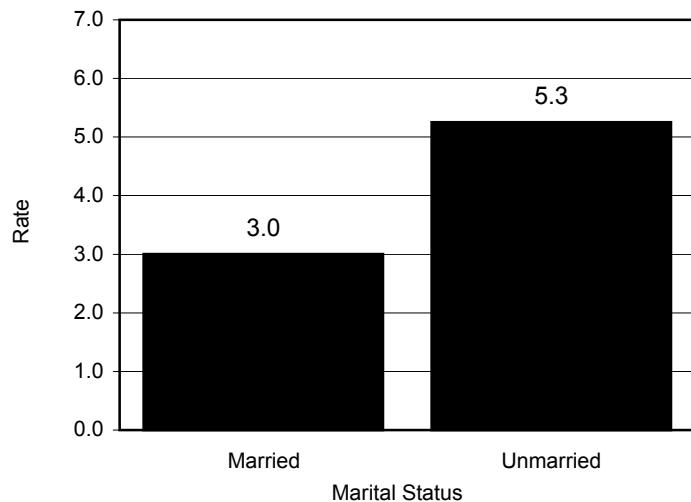
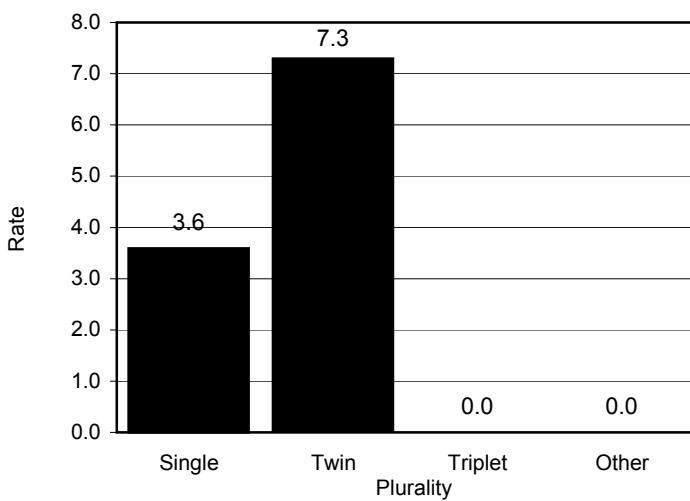
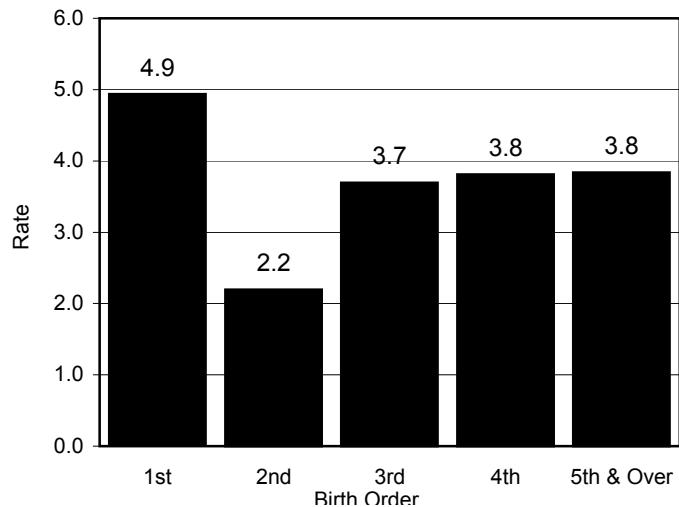
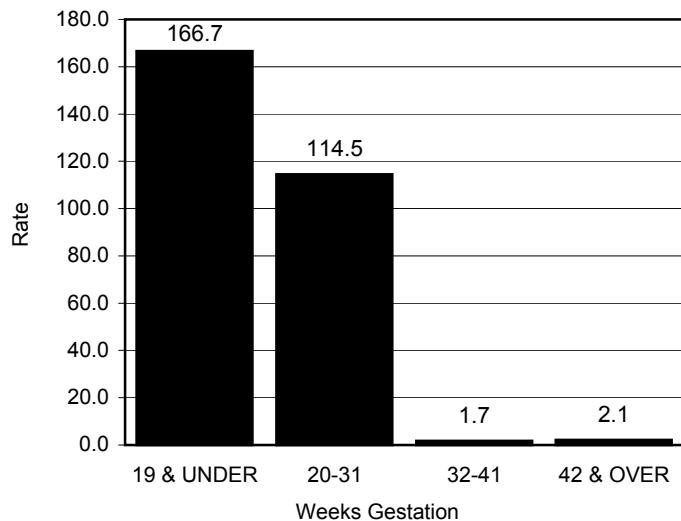
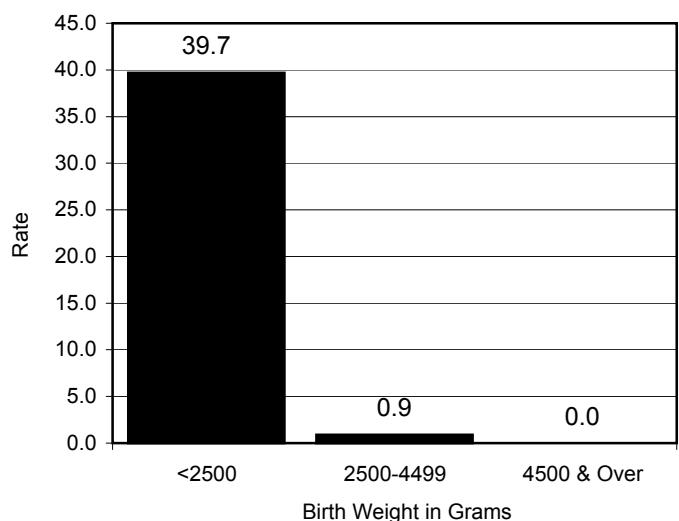
County of Residence	Total	Age-Group of Mother								N.S.
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	
Kansas.....	146	0	27	49	36	19	11	3	0	1
Allen.....	3	0	2	0	0	0	1	0	0	0
Anderson.....	1	0	0	1	0	0	0	0	0	0
Atchison.....	0	0	0	0	0	0	0	0	0	0
Barber.....	0	0	0	0	0	0	0	0	0	0
Barton.....	1	0	1	0	0	0	0	0	0	0
Bourbon.....	2	0	0	2	0	0	0	0	0	0
Brown.....	2	0	0	1	0	0	1	0	0	0
Butler.....	4	0	2	0	1	0	0	1	0	0
Chase.....	0	0	0	0	0	0	0	0	0	0
Chautauqua.....	0	0	0	0	0	0	0	0	0	0
Cherokee.....	2	0	0	1	1	0	0	0	0	0
Cheyenne.....	0	0	0	0	0	0	0	0	0	0
Clark.....	0	0	0	0	0	0	0	0	0	0
Clay.....	1	0	1	0	0	0	0	0	0	0
Cloud.....	0	0	0	0	0	0	0	0	0	0
Coffey.....	0	0	0	0	0	0	0	0	0	0
Comanche.....	0	0	0	0	0	0	0	0	0	0
Cowley.....	2	0	1	0	0	1	0	0	0	0
Crawford.....	1	0	0	0	1	0	0	0	0	0
Decatur.....	0	0	0	0	0	0	0	0	0	0
Dickinson.....	0	0	0	0	0	0	0	0	0	0
Doniphan.....	0	0	0	0	0	0	0	0	0	0
Douglas.....	6	0	0	1	2	3	0	0	0	0
Edwards.....	1	0	1	0	0	0	0	0	0	0
Elk.....	0	0	0	0	0	0	0	0	0	0
Ellis.....	0	0	0	0	0	0	0	0	0	0
Ellsworth.....	0	0	0	0	0	0	0	0	0	0
Finney.....	4	0	2	1	1	0	0	0	0	0
Ford.....	1	0	0	0	1	0	0	0	0	0
Franklin.....	3	0	1	1	0	1	0	0	0	0
Geary.....	7	0	2	3	1	1	0	0	0	0
Gove.....	0	0	0	0	0	0	0	0	0	0
Graham.....	0	0	0	0	0	0	0	0	0	0
Grant.....	0	0	0	0	0	0	0	0	0	0
Gray.....	2	0	0	0	1	1	0	0	0	0
Greeley.....	1	0	0	1	0	0	0	0	0	0
Greenwood.....	1	0	0	0	0	0	1	0	0	0
Hamilton.....	0	0	0	0	0	0	0	0	0	0
Harper.....	1	0	0	0	1	0	0	0	0	0
Harvey.....	1	0	0	1	0	0	0	0	0	0
Haskell.....	0	0	0	0	0	0	0	0	0	0
Hodgeman.....	1	0	0	1	0	0	0	0	0	0
Jackson.....	0	0	0	0	0	0	0	0	0	0
Jefferson.....	0	0	0	0	0	0	0	0	0	0
Jewell.....	0	0	0	0	0	0	0	0	0	0
Johnson.....	21	0	3	7	5	3	2	1	0	0
Kearny.....	0	0	0	0	0	0	0	0	0	0
Kingman.....	0	0	0	0	0	0	0	0	0	0
Kiowa.....	0	0	0	0	0	0	0	0	0	0
Labette.....	2	0	0	0	1	0	1	0	0	0
Lane.....	0	0	0	0	0	0	0	0	0	0
Leavenworth.....	1	0	0	0	1	0	0	0	0	0
Lincoln.....	0	0	0	0	0	0	0	0	0	0
Linn.....	0	0	0	0	0	0	0	0	0	0
Logan.....	1	0	1	0	0	0	0	0	0	0

Table 23
 Fetal Deaths By Age-Group Of Mother
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Age-Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Lyon.....	1	0	0	1	0	0	0	0	0	0
Marion.....	1	0	1	0	0	0	0	0	0	0
Marshall.....	0	0	0	0	0	0	0	0	0	0
McPherson.....	0	0	0	0	0	0	0	0	0	0
Meade.....	0	0	0	0	0	0	0	0	0	0
Miami.....	0	0	0	0	0	0	0	0	0	0
Mitchell.....	0	0	0	0	0	0	0	0	0	0
Montgomery.....	3	0	1	2	0	0	0	0	0	0
Morris.....	0	0	0	0	0	0	0	0	0	0
Morton.....	0	0	0	0	0	0	0	0	0	0
Nemaha.....	1	0	0	0	0	1	0	0	0	0
Neosho.....	2	0	1	0	1	0	0	0	0	0
Ness.....	0	0	0	0	0	0	0	0	0	0
Norton.....	0	0	0	0	0	0	0	0	0	0
Osage.....	0	0	0	0	0	0	0	0	0	0
Osborne.....	0	0	0	0	0	0	0	0	0	0
Ottawa.....	0	0	0	0	0	0	0	0	0	0
Pawnee.....	2	0	0	0	2	0	0	0	0	0
Phillips.....	0	0	0	0	0	0	0	0	0	0
Pottawatomie.....	3	0	0	1	1	0	1	0	0	0
Pratt.....	0	0	0	0	0	0	0	0	0	0
Rawlins.....	0	0	0	0	0	0	0	0	0	0
Reno.....	3	0	0	1	1	0	0	0	0	1
Republic.....	0	0	0	0	0	0	0	0	0	0
Rice.....	0	0	0	0	0	0	0	0	0	0
Riley.....	2	0	0	2	0	0	0	0	0	0
Rooks.....	0	0	0	0	0	0	0	0	0	0
Rush.....	1	0	1	0	0	0	0	0	0	0
Russell.....	0	0	0	0	0	0	0	0	0	0
Saline.....	2	0	0	0	2	0	0	0	0	0
Scott.....	0	0	0	0	0	0	0	0	0	0
Sedgwick.....	26	0	4	9	6	3	4	0	0	0
Seward.....	3	0	0	0	2	1	0	0	0	0
Shawnee.....	8	0	1	5	0	1	0	1	0	0
Sheridan.....	0	0	0	0	0	0	0	0	0	0
Sherman.....	0	0	0	0	0	0	0	0	0	0
Smith.....	0	0	0	0	0	0	0	0	0	0
Stafford.....	0	0	0	0	0	0	0	0	0	0
Stanton.....	0	0	0	0	0	0	0	0	0	0
Stevens.....	0	0	0	0	0	0	0	0	0	0
Sumner.....	2	0	0	1	1	0	0	0	0	0
Thomas.....	1	0	0	0	1	0	0	0	0	0
Trego.....	0	0	0	0	0	0	0	0	0	0
Wabaunsee.....	0	0	0	0	0	0	0	0	0	0
Wallace.....	0	0	0	0	0	0	0	0	0	0
Washington.....	0	0	0	0	0	0	0	0	0	0
Wichita.....	0	0	0	0	0	0	0	0	0	0
Wilson.....	1	0	0	1	0	0	0	0	0	0
Woodson.....	0	0	0	0	0	0	0	0	0	0
Wyandotte.....	11	0	1	5	2	3	0	0	0	0

Fetal Death Rates

By Selected Characteristics, Kansas, 2002

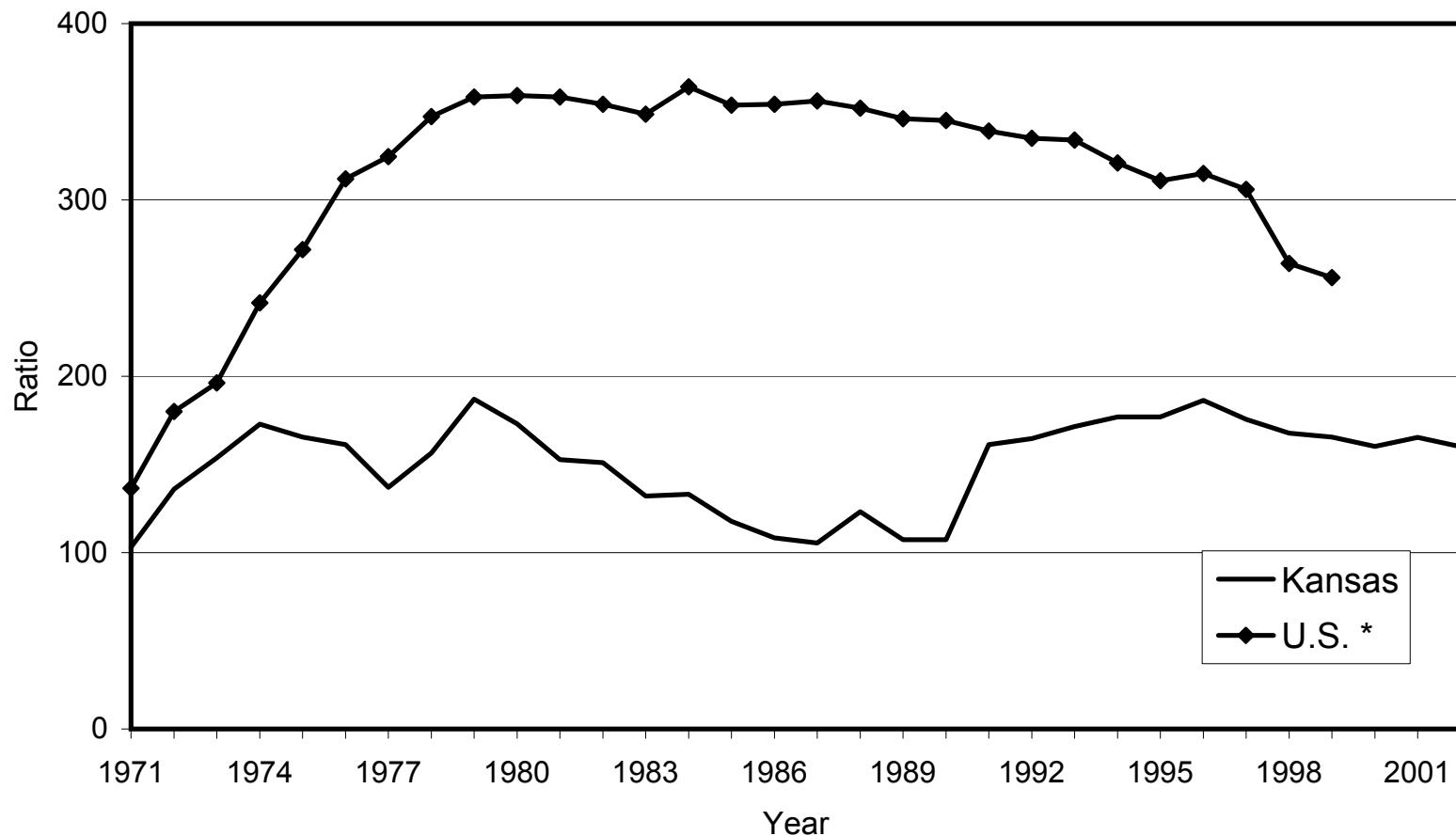


Rates per 1,000 Live Births + Fetal Deaths
Residence Data

Figure 19

Abortion Ratios

Kansas and the U.S., 1971-2002



*Data not available for 2000-2002

Ratio per 1,000 Live Births

Residence Data

Figure 20

Table 24
Reported Abortions And Abortion Ratios*
Kansas And The U.S. 1971-2002

Year	Total	Out of State Residents	Kansas		N.S.	U.S.	
			Residents	Ratio		Number	Ratio
1971.....	9,472	5,763	3,709	103.0	0	485,816	136.6
1972.....	12,248	7,736	4,512	136.0	0	586,760	180.1
1973.....	12,612	7,695	4,917	153.8	0	615,831	196.3
1974.....	10,171	4,503	5,657	172.9	11	763,476	241.6
1975.....	9,160	3,565	5,581	165.6	14	854,853	271.9
1976.....	9,154	3,455	5,686	161.2	13	988,267	312.0
1977.....	7,965	2,918	5,045	137.0	2	1,079,430	324.5
1978.....	9,740	3,957	5,722	156.4	61	1,157,776	347.3
1979.....	12,335	5,042	7,281	187.1	12	1,251,921	358.3
1980.....	11,791	4,750	7,038	173.0	3	1,297,606	359.2
1981.....	10,448	4,150	6,291	152.7	7	1,300,760	358.4
1982.....	9,976	3,823	6,153	151.0	0	1,303,980	354.3
1983.....	8,547	3,218	5,329	132.0	0	1,268,987	348.7
1984.....	8,008	2,689	5,319	133.1	0	1,333,521	364.1
1985.....	7,092	2,447	4,645	117.8	0	1,328,570	353.8
1986.....	6,561	2,316	4,245	108.4	0	1,328,112	354.2
1987.....	6,409	2,357	4,052	105.4	0	1,353,671	356.1
1988.....	7,930	3,161	4,769	123.2	0	1,371,285	352.0
1989.....	8,984 **	3,270	4,149	107.4	1,565 ****	1,396,658	346.0
1990.....	9,459 **	3,341	4,175	107.4	1,943 ****	1,429,577	345.0
1991.....	10,141 **	4,071	6,070	161.3	0	1,388,937	339.0
1992.....	11,135 **	4,904	6,231	164.6	0	1,359,145	335.0
1993.....	11,247	4,853	6,394	171.5	0	1,330,414	334.0
1994.....	10,847	4,245	6,596	177.0	6	1,267,415	321.0
1995.....	11,149 ***	4,562	6,566	177.0	21	1,210,883	311.0
1996.....	11,181	4,367	6,806	186.3	8	1,225,937	315.0
1997.....	11,507	4,973	6,532	175.6	2	1,186,039	306.0
1998.....	11,624	5,184	6,440	167.8	0	884,273	264.0
1999.....	12,445 *****	6,029	6,416	165.6	0	861,789	256.0
2000.....	12,327 *****	5,971	6,356	160.3	0	n.a.	n.a.
2001.....	12,422 *****	6,003	6,419	165.3	0	n.a.	n.a.
2002.....	11,844 *****	5,546	6,298	160.1	0	n.a.	n.a.

*Includes in state occurrences to Kansas residents and out of state residents, plus Kansas resident occurrences out of state. Ratio per 1,000 live births.

Source for U.S. data: Centers for Disease Control

Kansas data: Kansas Department of Health & Environment

** The increase in the 1989-1992 figures may not reflect an increase in the number of abortions being performed but rather an increase in the number of providers voluntarily reporting data.

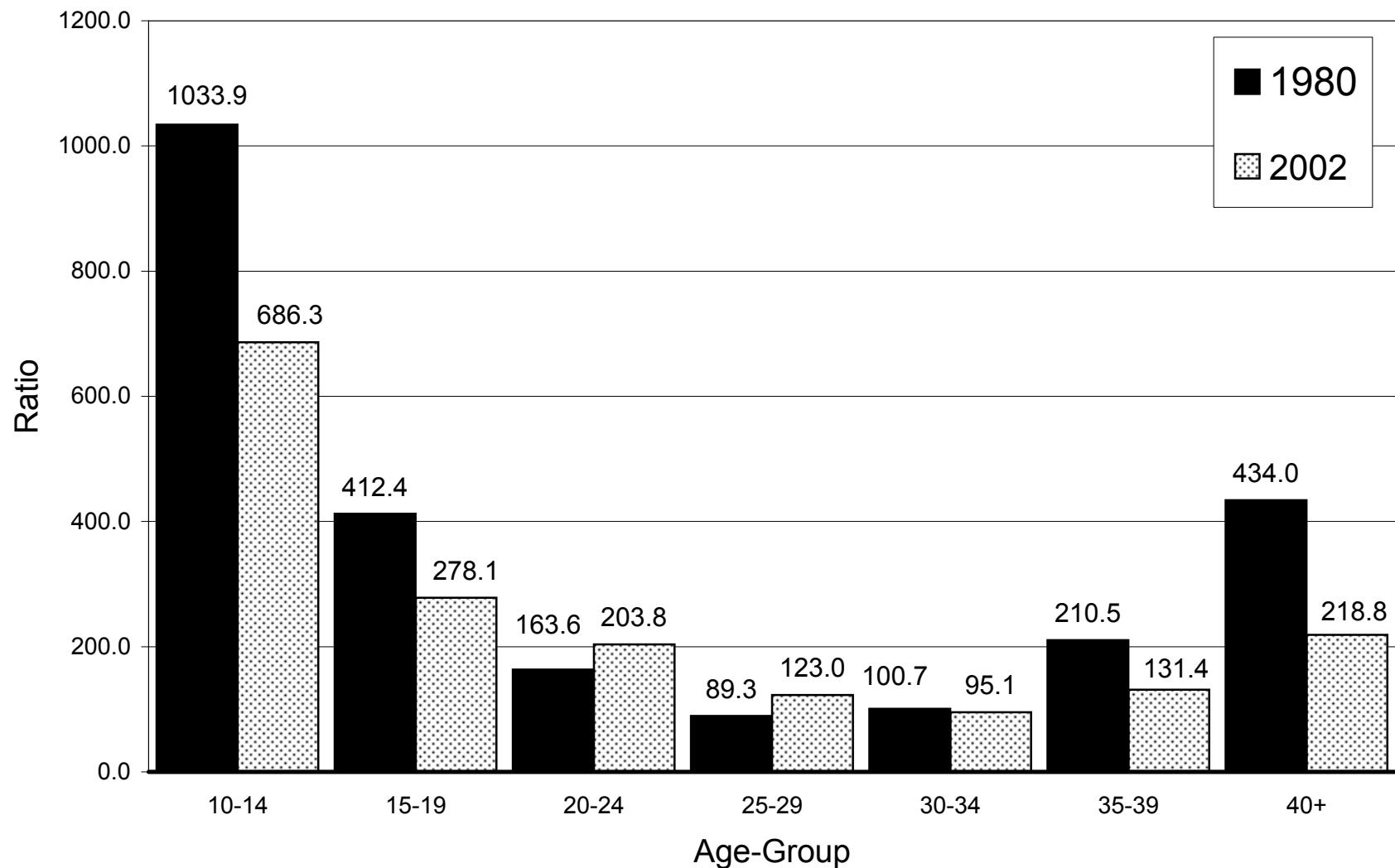
*** As of July 1, 1995, reporting became mandatory for every medical care facility and every person licensed to practice medicine and surgery.

**** Residency data was not available for all abortions in 1989-1990. However, due to improved reporting, residency was obtained for most of the abortions reported in subsequent years. This improved reporting is also responsible for the increase in the resident abortion ratio between 1990 and 1991.

***** This number is larger than the one reported in the preliminary report due to induced termination of pregnancy reports received from other states after the Kansas reporting deadline.

Abortion Ratios by Age-Group of Patient

Kansas, 1980 and 2002



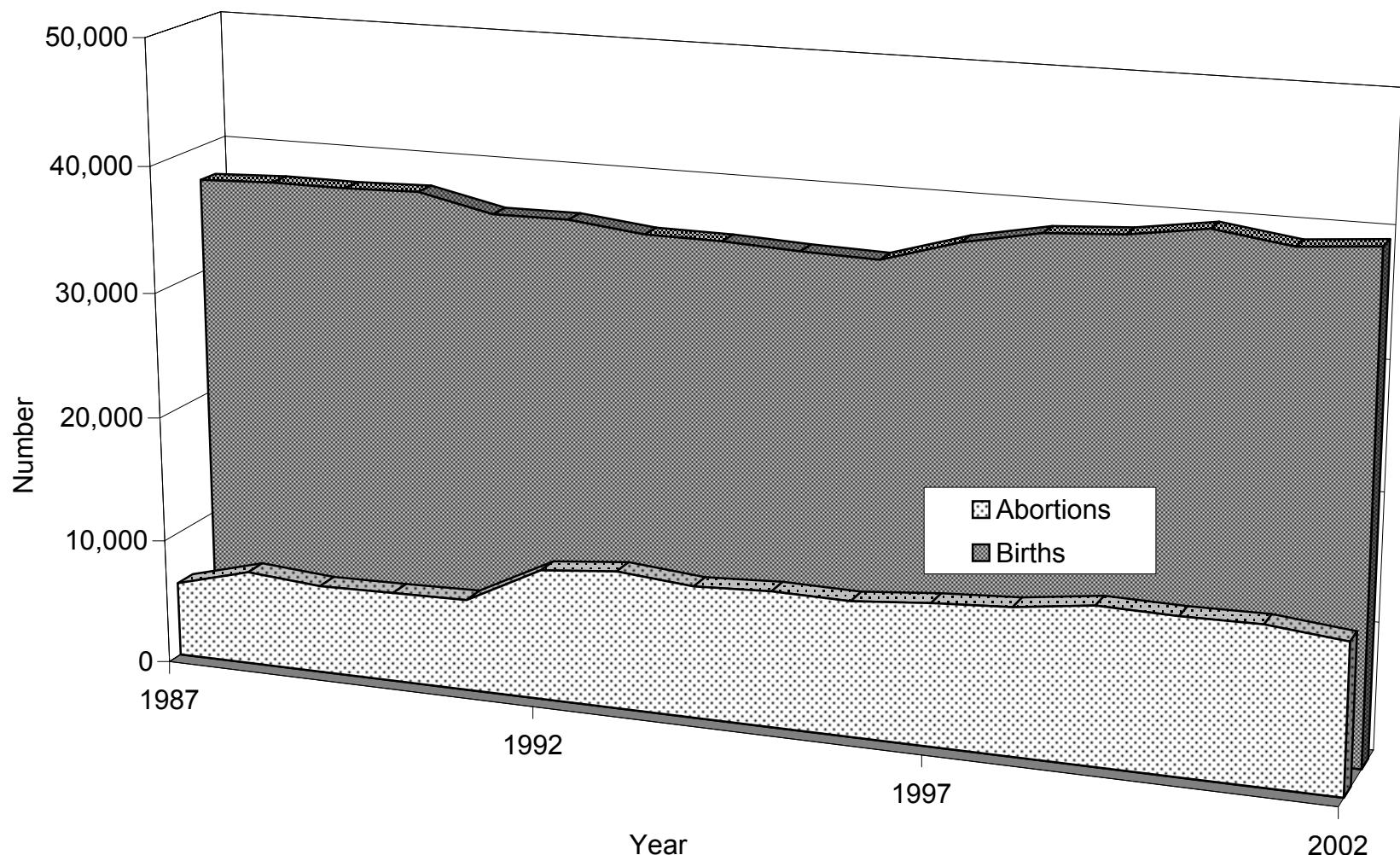
Ratio per 1,000 Live Births

Residence Data

Figure 21

Abortions and Births

Kansas, 1987-2002

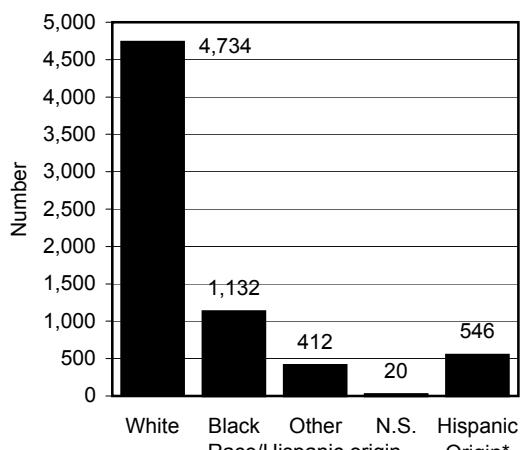
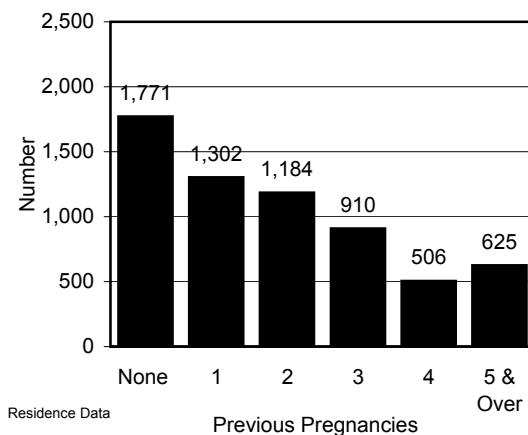
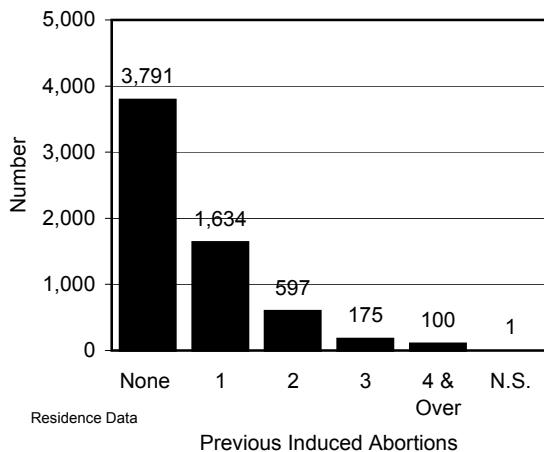


Occurrence Data

Figure 22

Reported Induced Abortions

By Selected Characteristics, Kansas, 2002



*Hispanic origin may be any race
Residence Data

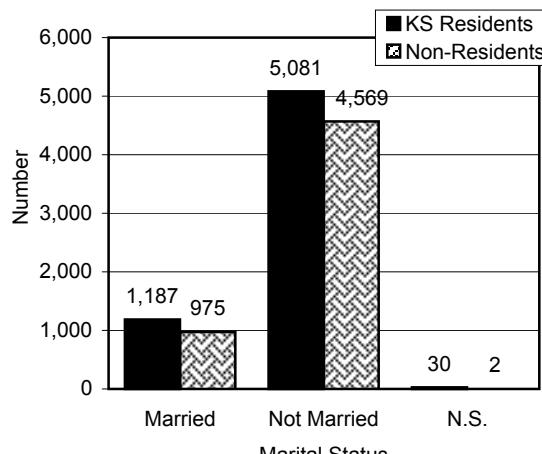
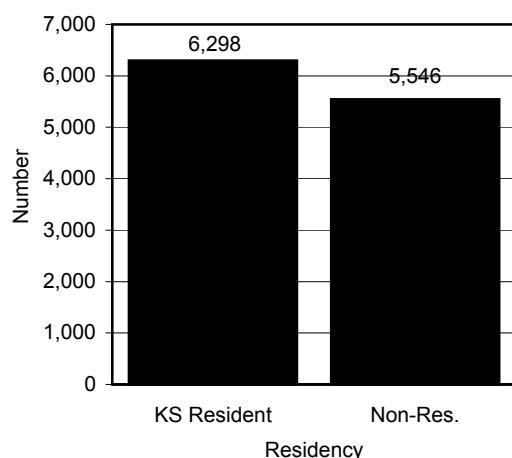
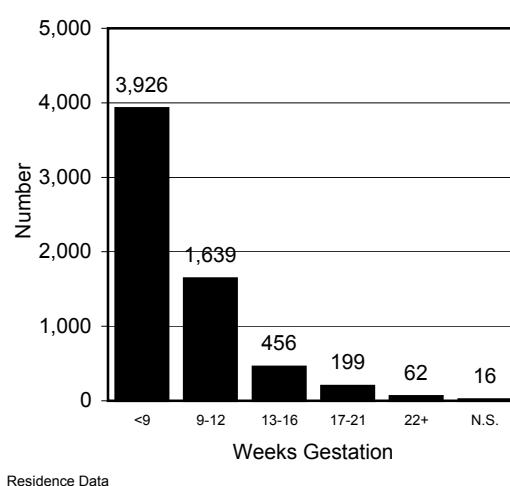


Figure 23

Table 25
 Reported Abortions By Age-Group Of Patient
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Age-Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Kansas.....	6,298	35	1,191	2,273	1,348	814	465	161	11	0
Allen.....	32	0	8	11	9	3	0	1	0	0
Anderson.....	7	0	1	2	1	2	0	1	0	0
Atchison.....	20	0	4	8	2	4	2	0	0	0
Barber.....	5	0	1	2	0	1	1	0	0	0
Barton.....	47	2	18	17	6	2	2	0	0	0
Bourbon.....	26	0	8	9	4	5	0	0	0	0
Brown.....	14	0	1	4	4	2	1	2	0	0
Butler.....	100	0	23	30	18	19	8	1	1	0
Chase.....	3	0	0	1	0	0	2	0	0	0
Chautauqua.....	1	0	0	0	1	0	0	0	0	0
Cherokee.....	20	0	2	6	5	3	2	1	1	0
Cheyenne.....	1	0	0	0	0	1	0	0	0	0
Clark.....	2	0	0	0	2	0	0	0	0	0
Clay.....	10	0	2	6	1	1	0	0	0	0
Cloud.....	9	0	4	3	0	2	0	0	0	0
Coffey.....	8	0	2	3	1	2	0	0	0	0
Comanche.....	1	0	0	0	1	0	0	0	0	0
Cowley.....	61	0	21	20	5	5	8	2	0	0
Crawford.....	65	0	12	27	14	8	2	2	0	0
Decatur.....	3	0	1	2	0	0	0	0	0	0
Dickinson.....	16	0	3	7	2	2	1	1	0	0
Doniphan.....	10	0	2	5	1	0	1	1	0	0
Douglas.....	360	0	73	166	58	28	30	4	1	0
Edwards.....	4	0	2	0	1	0	1	0	0	0
Elk.....	1	0	0	1	0	0	0	0	0	0
Ellis.....	39	0	3	16	13	3	3	1	0	0
Ellsworth.....	4	0	2	1	0	0	1	0	0	0
Finney.....	85	0	13	33	24	8	6	1	0	0
Ford.....	71	1	13	31	14	7	4	1	0	0
Franklin.....	37	0	7	11	6	4	7	2	0	0
Geary.....	121	1	21	51	29	10	9	0	0	0
Gove.....	2	1	0	1	0	0	0	0	0	0
Graham.....	2	0	1	1	0	0	0	0	0	0
Grant.....	4	0	1	1	0	2	0	0	0	0
Gray.....	3	0	0	2	1	0	0	0	0	0
Greeley.....	0	0	0	0	0	0	0	0	0	0
Greenwood.....	10	0	3	6	0	1	0	0	0	0
Hamilton.....	2	0	0	1	0	0	0	1	0	0
Harper.....	7	0	4	0	0	1	1	1	0	0
Harvey.....	44	0	8	16	9	5	4	2	0	0
Haskell.....	6	0	3	1	0	2	0	0	0	0
Hodgeman.....	1	0	0	0	0	1	0	0	0	0
Jackson.....	7	0	1	2	2	1	1	0	0	0
Jefferson.....	30	1	7	12	4	4	1	1	0	0
Jewell.....	3	0	1	1	0	1	0	0	0	0
Johnson.....	1,306	2	199	438	296	201	119	49	2	0
Keamy.....	4	0	0	1	2	1	0	0	0	0
Kingman.....	6	0	0	4	2	0	0	0	0	0
Kiowa.....	1	0	0	0	1	0	0	0	0	0
Labette.....	22	0	1	7	8	3	2	1	0	0
Lane.....	3	0	1	2	0	0	0	0	0	0
Leavenworth.....	167	2	43	58	27	12	20	4	1	0
Lincoln.....	3	0	1	1	0	0	1	0	0	0
Linn.....	15	0	4	4	2	3	2	0	0	0
Logan.....	2	0	0	1	0	1	0	0	0	0

Table 25
 Reported Abortions By Age-Group Of Patient
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Age-Group of Patient								45 & Over	N.S.
		10-14	15-19	20-24	25-29	30-34	35-39	40-44			
Lyon.....	62	0	9	25	12	7	7	2	0	0	0
Marion.....	12	0	4	5	0	2	0	1	0	0	0
Marshall.....	2	0	1	0	0	1	0	0	0	0	0
McPherson.....	26	0	3	10	10	1	1	0	1	0	0
Meade.....	5	0	2	2	0	1	0	0	0	0	0
Miami.....	46	0	11	8	7	11	6	3	0	0	0
Mitchell.....	3	0	0	1	1	1	0	0	0	0	0
Montgomery.....	61	0	14	18	17	5	5	2	0	0	0
Morris.....	4	0	0	2	0	2	0	0	0	0	0
Morton.....	4	0	0	2	2	0	0	0	0	0	0
Nemaha.....	6	0	3	1	0	1	1	0	0	0	0
Neosho.....	22	0	3	8	2	4	5	0	0	0	0
Ness.....	4	0	3	1	0	0	0	0	0	0	0
Norton.....	2	0	1	0	1	0	0	0	0	0	0
Osage.....	21	0	7	5	3	5	0	1	0	0	0
Osborne.....	1	0	0	0	0	1	0	0	0	0	0
Ottawa.....	6	0	3	1	1	0	1	0	0	0	0
Pawnee.....	9	1	2	3	1	1	0	1	0	0	0
Phillips.....	1	0	1	0	0	0	0	0	0	0	0
Pottawatomie.....	13	0	5	2	1	4	0	1	0	0	0
Pratt.....	7	0	4	1	0	1	0	1	0	0	0
Rawlins.....	1	0	0	0	1	0	0	0	0	0	0
Reno.....	94	1	30	29	22	6	5	1	0	0	0
Republic.....	0	0	0	0	0	0	0	0	0	0	0
Rice.....	15	0	5	6	0	2	2	0	0	0	0
Riley.....	173	0	37	90	24	16	6	0	0	0	0
Rooks.....	5	0	1	1	2	1	0	0	0	0	0
Rush.....	1	0	0	0	1	0	0	0	0	0	0
Russell.....	9	1	0	4	4	0	0	0	0	0	0
Saline.....	98	0	25	33	25	6	7	2	0	0	0
Scott.....	3	0	2	1	0	0	0	0	0	0	0
Sedgwick.....	1,310	6	223	466	312	181	83	38	1	0	0
Seward.....	52	0	11	19	11	7	2	2	0	0	0
Shawnee.....	422	2	92	140	89	51	37	10	1	0	0
Sheridan.....	0	0	0	0	0	0	0	0	0	0	0
Sherman.....	2	0	0	2	0	0	0	0	0	0	0
Smith.....	1	0	0	1	0	0	0	0	0	0	0
Stafford.....	2	0	0	2	0	0	0	0	0	0	0
Stanton.....	4	0	1	2	0	1	0	0	0	0	0
Stevens.....	3	0	0	1	0	1	1	0	0	0	0
Sumner.....	27	1	5	7	2	5	4	3	0	0	0
Thomas.....	12	0	4	6	1	1	0	0	0	0	0
Trego.....	3	0	1	2	0	0	0	0	0	0	0
Wabaunsee.....	5	0	3	2	0	0	0	0	0	0	0
Wallace.....	0	0	0	0	0	0	0	0	0	0	0
Washington.....	6	0	0	2	2	2	0	0	0	0	0
Wichita.....	2	0	0	1	1	0	0	0	0	0	0
Wilson.....	8	0	0	3	2	2	1	0	0	0	0
Woodson.....	9	0	1	3	2	2	1	0	0	0	0
Wyandotte.....	863	13	146	315	209	119	46	13	2	0	0
N.S.*	18	0	3	7	4	2	2	0	0	0	0

*County information not collected by other states.

Table 26
 Total Reported Abortions By Age-Group of Patient
 By Selected Characteristics
 Kansas, 2002

Table 26
 Total Reported Abortions By Age-Group of Patient
 By Selected Characteristics
 Kansas, 2002

Selected Characteristics	Total*	Age-Group								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Previous Induced Abortions										
None	7,071	86	1,906	2,522	1,238	730	421	151	17	0
1	3,105	2	289	1,145	794	522	270	78	5	0
2	1,136	0	44	314	340	255	134	48	1	0
3	344	0	4	77	114	75	54	19	1	0
4	106	0	0	34	29	28	8	7	0	0
5 & Over	81	0	0	18	25	27	6	5	0	0
N.S.....	1	0	0	0	1	0	0	0	0	0
Number of Living Children										
None	4,782	88	1,830	1,767	625	271	149	51	1	0
1	3,131	0	333	1,404	739	412	188	49	6	0
2	2,437	0	67	690	729	530	302	110	9	0
3	991	0	11	197	305	262	159	51	6	0
4	353	0	2	43	104	108	59	35	2	0
5 & Over	149	0	0	9	39	53	36	12	0	0
N.S.....	1	0	0	0	0	1	0	0	0	0
Children Born Alive Now Dead										
None	11,702	88	2,236	4,065	2,493	1,606	885	305	24	0
1	96	0	6	32	33	20	3	2	0	0
2	34	0	1	10	10	7	5	1	0	0
3	9	0	0	2	4	3	0	0	0	0
4	1	0	0	0	0	1	0	0	0	0
5 & Over	1	0	0	1	0	0	0	0	0	0
N.S.....	1	0	0	0	1	0	0	0	0	0
Spontaneous Terminations										
None	10,102	88	2,155	3,601	2,064	1,253	684	236	21	0
1	1,370	0	79	417	385	279	157	51	2	0
2	246	0	7	66	64	61	37	10	1	0
3	79	0	2	16	18	30	7	6	0	0
4	29	0	0	5	7	9	5	3	0	0
5 & Over	18	0	0	5	3	5	3	2	0	0
N.S.....	0	0	0	0	0	0	0	0	0	0

* Totals are larger than the ones reported in the preliminary report due to induced termination of pregnancy reports received from other states after the Kansas reporting deadline. The not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

** Hispanic origin may be of any race.

*** Refers to drug mifepristone

**** Refers to drug methotrexate

Table 27
Reported Abortions By Race And Hispanic Origin Of Patient
By Marital Status
Kansas, 2002

Race and Hispanic Origin of Patient			Marital Status					
			Married		Unmarried		N.S.*	
	Number	Percent	Number	Percent	Number	Percent		
Total.....	11,844	100.0	2,162	18.3	9,650	81.7	32	
White.....	8,383	100.0	1,598	19.1	6,771	80.9	14	
Black.....	2,774	100.0	304	11.0	2,470	89.0	0	
Native American.....	129	100.0	20	15.6	108	84.4	1	
Asian/Pacific.....	457	100.0	227	49.7	230	50.3	0	
Other.....	78	100.0	11	14.1	67	85.9	0	
N.S.*.....	23	100.0	2	n/a	4	n/a	17	
Hispanic Origin**	821	100.0	198	24.2	621	75.8	2	

* The not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

**Hispanic origin can be of any race.

Table 28
Reported Abortions By Race And Hispanic Origin Of Patient
By Weeks Gestation
Kansas, 2002

Race and Hispanic Origin of Patient			Weeks Gestation										N.S.*
			Under 9		9-12		13-16		17-21		22 & Over		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Total.....	11,844	100.0	7,027	59.4	2,927	24.7	863	7.3	447	3.8	564	4.8	16
White.....	8,383	100.0	5,059	60.3	2,014	24.0	595	7.1	315	3.8	400	4.8	0
Black.....	2,774	100.0	1,553	56.0	790	28.5	237	8.5	104	3.7	90	3.3	0
Native American....	129	100.0	70	54.3	36	27.9	9	7.0	8	6.2	6	4.7	0
Asian/Pacific.....	457	100.0	305	66.4	67	14.7	17	3.7	16	3.5	52	11.4	0
Other.....	78	100.0	38	48.7	17	21.8	5	6.4	4	5.1	14	18.0	0
N.S.*.....	23	100.0	2	n/a	3	n/a	0	n/a	0	n/a	2	n/a	16
Hispanic Origin**	821	100.0	499	60.5	228	27.8	59	7.2	21	2.6	14	1.7	0

* The not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

**Hispanic origin can be of any race.

Reported Abortions: Percent Distribution by Weeks Gestation

Kansas, 2002

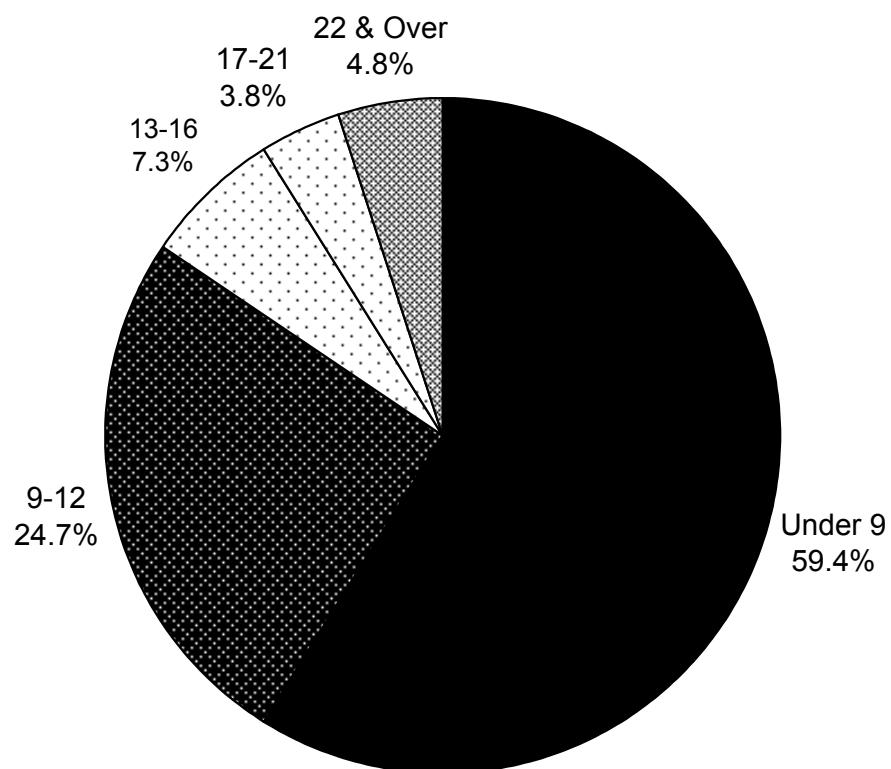


Figure 24

Table 29
Reported Abortions By Termination Procedure
By Weeks Gestation
Kansas, 2002

Termination Procedure	Total	Weeks Gestation					
		Under 9	9-12	13-16	17-21	22 & Over	N.S.*
Total	11,844	7,027	2,927	863	447	564	16
Suction Curettage	9,435	6,044	2,915	455	7	0	14
Sharp Curettage	9	5	1	3	0	0	0
Dilation & Evacuation	892	10	3	405	432	41	1
Medical Procedure I**	667	662	4	0	0	0	1
Medical Procedure II***	310	305	4	0	0	1	0
Intra-Uterine Prostaglandin Instillation	0	0	0	0	0	0	0
Hysterotomy	0	0	0	0	0	0	0
Hysterectomy	0	0	0	0	0	0	0
Digoxin/Induction	528	0	0	0	7	521	0
"Partial Birth" Procedure	0	0	0	0	0	0	0
Other	3	1	0	0	1	1	0
N.S.*	0	0	0	0	0	0	0

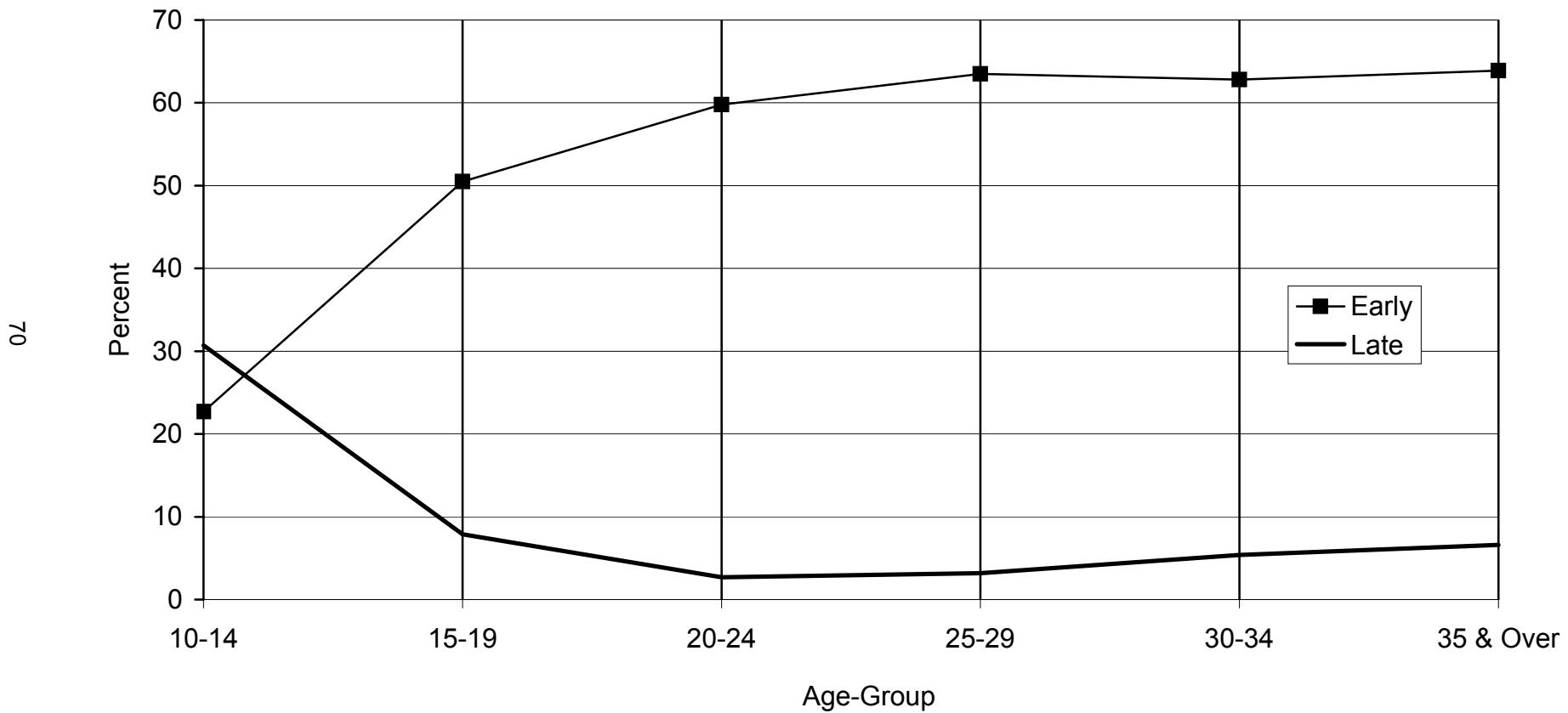
* The not stated (N.S.) represent patients who refused to provide information or information not collected by other states.

** Refers to drug mifepristone

*** Refers to drug methotrexate

Percentage of Women Who Obtained Early* or Late** Abortions, by Age-Group

Kansas, 2002



*<9 weeks of gestation

**>21 weeks of gestation

Figure 25

Deaths

There were 24,968 resident deaths recorded in Kansas during 2002, an increase of 1.5 percent from the 2001 total of 24,590. ([Table 30](#))

Elk, Republic and Greenwood counties had the highest five-year (1998-2002) county death rates of 18.4, 18.3, and 17.0 deaths per 1,000 population respectively. Riley, Douglas, and Finney counties had the lowest five-year death rates of 4.9, 5.4, and 5.4 deaths per 1,000 population respectively. ([Table 30](#), [Figure 26](#))

Belleville, Eureka, and Herrington had the highest five-year city death rates (1998-2002) of 28.7, 22.3, and 20.2 respectively. Olathe, Lawrence, and Shawnee experienced the lowest five-year city death rates of 4.6, 4.8, and 5.3 respectively. ([Table 31](#))

The Kansas death rate in 2002 was 9.2 deaths per 1,000 population, which was 9.5 percent higher than the estimated U.S. rate of 8.4 deaths per 1,000 population. ([Figure 27](#))

Of all fetal deaths in 2002, 67.1 percent were attributed to conditions originating in the perinatal period, 19.9 percent were attributed to symptoms, signs and abnormal findings and 13.0 percent to congenital anomalies. ([Table 32](#))

Examining the components that constitute perinatal period III mortality, the numbers of fetal deaths and hebdomadal deaths declined 61.1 percent and 62.2 percent respectively from 1972 to 2002. Caution should be used in interpreting these decreases due to the relatively small number of occurrences. In 2002, there were 301 perinatal period III deaths, representing a death rate of 7.6 deaths per 1,000 live births plus fetal deaths. This rate has decreased 67.5 percent from the 1972 rate of 23.4. ([Tables 33](#) and [34](#), [Figure 28](#))

A total of 282 infant deaths occurred to Kansas residents in 2002. The overall infant death rate for 2002 was 7.2 infant deaths per 1,000 live births. For comparison, the 2002 rate (7.2) represents a decrease of 58.1 percent from the rate of 17.2 in 1972. The white infant death rate was 6.5 deaths per 1,000 live births in 2002, a decrease of 60.6 percent from the rate of 16.5 in 1972. The black infant death rate in 2002 was 15.3, a decrease of 39.3 percent from the rate of 25.2 in 1972. ([Figure 29](#), [Tables 35](#) and [36](#))

During the five-year period, 1998-2002, the infant death rate for Kansas was 7.1. Elk county had the highest infant death rate (20.0) during this time period. Of those counties reporting infant deaths, Coffey county had the lowest rate (2.0). Eighteen counties had no infant deaths. ([Table 36](#))

Of all infant deaths in 2002, 48.2 percent were attributed to conditions originating in the perinatal period, 22.3 percent were attributed to congenital anomalies, 16.3 percent to sudden infant death syndrome and 13.2 percent to all other causes. ([Table 37](#))

Deaths (Cont.)

For each year from 1991 to 2002 there were five or fewer maternal deaths among Kansas residents. The maternal death rate for Kansas in 2002 was 0.5 deaths per 10,000 live births, a 16.7 percent decrease from the 1972 rate of 0.6. ([Figure 31](#))

The Kansas age-adjusted death rate per 1,000 standard U.S. 2000 population was consistently below that of the U.S. from 1993-2000. ([Table 40](#), [Figure 32](#))

The state's 2002 age-adjusted death rate for males (10.1) was 40.3 percent higher than the rate of 7.2 for females. ([Table 40](#))

The average age at death of Kansas residents in 2002 was 74.4 years, a 1.8 percent increase from the average age at death of 73.1 years in 1992. ([Table 41](#))

The average age at death for the white population in 2002 was 75.1 years, eleven years older than that of the black population, whose average age at death was 64.1 years. ([Table 42](#))

The two leading causes of death in Kansas in 2002, heart disease and malignant neoplasms, had average ages at death of 79.2 and 71.6 years respectively. Atherosclerosis, with an average age at death of 86.7 years, had the highest average age at death of any of the leading causes of death. ([Table 45](#))

The average age at death for male unintentional injury victims for 1992 and 2002 was 43.8 and 45.5 respectively, while for females the average age was 53.8 and 57.5 years respectively. For this time period, the average age at death increased for female unintentional injury victims 6.9 percent while for male unintentional injury victims it increased 3.9 percent. ([Table 45](#))

The cause-specific death rate for Alzheimer's Disease in Kansas was 27.7 deaths per 100,000 population in 2002. The rate for females (38.0) was more than twice as high as the rate for males (17.1). ([Table 45](#))

The cancer death rate for 2002 was 196.8 deaths per 100,000 population, 0.8 percent lower than the rate of 198.4 in 1992. ([Tables 45](#) and [46](#))

In 2002, the unintentional injury death rate was 41.4 deaths per 100,000 population, 22.1 percent higher than the rate of 33.9 in 1992. ([Tables 45](#) and [46](#))

The age-adjusted death rate for the leading cause of death, heart disease, was 219.2, and for cancer, the second leading cause of death, the age-adjusted death rate was 187.5 per 100,000 standard U.S. 2000 population. Together, these two causes accounted for almost 50 percent of all Kansas resident deaths. ([Table 46](#))

Deaths (Cont.)

Heart disease reached a high of 393.4 deaths per 100,000 population in 1973 and gradually declined to 244.5 deaths per 100,000 population in 2002. Conversely, cancer rates steadily increased from 140.6 to 207.1 deaths per 100,000 population from 1956 to 1996, but have declined since 1996, to 196.8 in 2002. ([Figure 33](#))

In 2002, Kansans died from cerebrovascular disease at slightly more than half the rate of forty years ago, with the death rates for this disease going from 127.7 in 1962 to 67.7 in 2002. The death rate for unintentional injury also declined, going from 60.8 in 1962 to 41.4 in 2002, a 31.9 percent decrease. ([Figure 33](#))

In 2002, unintentional injuries were the leading cause of death for Kansas residents 1-44 years of age. ([Figure 34](#))

In 2002, cancer of the respiratory and intrathoracic organs, digestive organs and breast were the leading causes of cancer deaths in women. ([Table 48](#))

The dominant occupations for deaths due to unintentional injuries, suicides and homicides were operators, fabricators and laborers. ([Table 52](#))

Mortality in Kansas was responsible for 198,887 years of potential life lost in 2002. Cancer was the second leading cause of death in Kansas, but accounted for the most years of potential life lost (44,266). Unintentional injuries represented nearly two times the years of potential life lost among men (21,659 years) compared to women (10,314 years). ([Table 54](#), [Figure 35](#))

Table 30
 Deaths By Number And Rate*
 By County Of Residence And By Peer Group**
 Kansas, 1998-2002

County of Residence	Year										5-Year Rate	
	1998		1999		2000		2001		2002			
	Number	Rate										
Kansas.....	23,928	9.1	24,380	9.2	24,676	9.2	24,590	9.1	24,968	9.2	9.2	
Allen.....	183	12.6	195	13.5	169	11.7	192	13.5	168	11.8	12.6	
Anderson.....	103	12.8	91	11.2	104	12.8	99	12.1	109	13.4	12.5	
Atchison.....	203	12.0	190	11.3	183	10.9	172	10.3	208	12.5	11.4	
Barber.....	93	17.4	74	14.1	73	13.8	66	12.8	77	15.1	14.6	
Barton.....	311	11.3	350	12.2	351	12.4	315	11.3	294	10.6	11.6	
Bourbon.....	222	14.5	196	13.1	221	14.4	186	12.1	225	14.8	13.8	
Brown.....	151	13.6	134	12.3	135	12.6	129	12.1	149	14.2	13.0	
Butler.....	482	7.8	512	8.2	580	9.8	492	8.2	529	8.7	8.5	
Chase.....	46	15.6	53	18.6	37	12.2	40	13.2	41	14.0	14.7	
Chautauqua.....	68	15.6	56	13.1	65	14.9	76	17.8	87	20.7	16.4	
Cherokee.....	274	12.1	259	11.6	281	12.4	261	11.7	258	11.8	11.9	
Cheyenne.....	42	13.2	33	10.2	43	13.6	42	13.5	40	12.8	12.7	
Clark.....	42	17.8	37	15.8	27	11.3	22	9.3	38	16.0	14.0	
Clay.....	118	12.9	117	13.0	107	12.1	99	11.3	126	14.5	12.8	
Cloud.....	161	16.1	150	15.0	175	17.0	154	15.4	160	16.1	15.9	
Coffey.....	106	12.2	84	9.6	94	10.6	129	14.6	110	12.4	11.9	
Comanche.....	18	8.9	40	20.5	31	15.8	25	12.7	47	23.7	16.3	
Cowley.....	405	11.2	475	12.9	439	12.1	437	12.2	441	12.1	12.1	
Crawford.....	479	13.2	456	12.5	483	12.6	444	11.7	439	11.5	12.3	
Decatur.....	58	16.8	49	14.5	47	13.5	59	17.2	56	16.4	15.7	
Dickinson.....	270	13.7	274	13.9	226	11.7	224	11.7	287	15.0	13.2	
Doniphan.....	87	11.1	82	10.3	108	13.1	90	10.8	70	8.5	10.8	
Douglas.....	514	5.5	498	5.1	538	5.4	549	5.5	560	5.5	5.4	
Edwards.....	57	17.2	56	17.1	45	13.0	40	12.0	48	14.4	14.7	
Elk.....	57	17.0	65	19.2	72	22.1	56	17.6	51	16.3	18.4	
Ellis.....	240	9.1	241	9.2	229	8.3	249	9.1	263	9.6	9.1	
Ellsworth.....	91	14.5	70	11.3	103	15.8	93	14.3	94	14.6	14.1	
Finney.....	212	5.8	193	5.2	225	5.6	207	5.2	211	5.3	5.4	
Ford.....	244	8.3	274	9.3	262	8.1	295	9.1	282	8.6	8.7	
Franklin.....	271	10.9	231	9.2	245	9.9	237	9.5	238	9.4	9.8	
Geary.....	232	9.1	229	9.2	197	7.0	204	7.6	209	7.9	8.2	
Gove.....	45	14.7	48	15.9	32	10.4	41	13.6	38	12.7	13.5	
Graham.....	41	12.8	38	12.2	43	14.6	38	13.4	42	14.8	13.6	
Grant.....	59	7.4	51	6.5	64	8.1	43	5.5	52	6.6	6.8	
Gray.....	54	9.7	34	6.1	56	9.5	49	8.2	70	11.6	9.0	
Greeley.....	24	14.1	13	7.9	19	12.4	15	10.0	22	14.9	11.9	
Greenwood.....	146	17.9	136	17.1	113	14.7	136	17.5	136	17.8	17.0	
Hamilton.....	30	12.8	32	13.5	31	11.6	32	12.0	31	11.7	12.3	
Harper.....	81	12.6	108	17.1	107	16.4	96	15.2	106	16.9	15.6	
Harvey.....	344	10.0	353	10.3	367	11.2	323	9.8	347	10.4	10.3	
Haskell.....	22	5.5	38	9.4	30	7.0	36	8.4	27	6.3	7.3	
Hodgeman.....	25	11.3	25	11.2	14	6.7	26	12.1	31	14.4	11.1	
Jackson.....	141	11.6	144	11.8	130	10.3	141	11.1	131	10.3	11.0	
Jefferson.....	126	6.9	166	9.1	160	8.7	150	8.1	165	8.8	8.3	
Jewell.....	52	13.4	66	17.4	67	17.7	56	15.6	51	14.6	15.7	
Johnson.....	2,455	5.7	2,689	6.1	2,661	5.9	2,855	6.1	2,861	6.0	6.0	
Kearny.....	29	6.9	48	11.6	38	8.4	28	6.1	51	11.2	8.8	
Kingman.....	86	10.1	122	14.1	99	11.4	114	13.4	122	14.5	12.7	
Kiowa.....	38	11.0	45	13.4	42	12.8	47	15.0	25	8.0	12.0	
Labette.....	298	12.9	276	12.0	324	14.2	303	13.5	302	13.6	13.2	
Lane.....	25	11.0	35	16.1	20	9.3	18	8.6	39	19.5	12.9	
Leavenworth.....	508	7.1	518	7.2	443	6.4	562	8.0	524	7.4	7.2	
Lincoln.....	58	17.4	48	14.4	54	15.1	73	20.6	48	13.6	16.2	
Linn.....	122	13.3	130	14.0	114	11.9	129	13.3	106	11.0	12.7	
Logan.....	36	12.1	37	12.6	50	16.4	44	14.9	37	12.3	13.7	

Table 30
 Deaths By Number And Rate*
 By County Of Residence And By Peer Group**
 Kansas, 1998-2002

County of Residence	Year										5-Year Rate	
	1998		1999		2000		2001		2002			
	Number	Rate										
Lyon.....	294	8.7	280	8.3	323	9.0	280	7.9	290	8.1	8.4	
Marion.....	173	12.7	188	13.9	210	15.7	136	10.1	211	15.9	13.7	
Marshall.....	164	14.9	155	14.2	139	12.7	146	13.6	134	12.7	13.6	
McPherson.....	344	12.0	336	11.7	344	11.6	336	11.3	380	12.9	11.9	
Meade.....	53	12.0	53	12.0	53	11.4	38	8.2	48	10.4	10.8	
Miami.....	247	9.3	228	8.4	265	9.3	253	8.8	254	8.8	8.9	
Mitchell.....	111	16.0	100	14.4	110	15.9	82	12.1	91	13.6	14.4	
Montgomery.....	473	12.8	472	12.8	486	13.4	472	13.3	487	13.8	13.2	
Morris.....	82	13.3	75	12.1	83	13.6	77	12.6	73	12.0	12.7	
Morton.....	34	9.9	22	6.3	33	9.4	27	8.0	32	9.5	8.6	
Nemaha.....	154	15.2	138	13.6	158	14.7	169	16.1	136	13.0	14.5	
Neosho.....	204	12.2	205	12.3	207	12.2	192	11.5	193	11.6	12.0	
Ness.....	44	12.2	39	10.9	61	17.7	42	12.6	47	14.2	13.5	
Norton.....	89	15.5	83	14.7	81	13.6	65	11.1	64	10.9	13.2	
Osage.....	166	9.7	181	10.5	171	10.2	191	11.3	184	10.9	10.5	
Osborne.....	71	15.1	79	17.2	74	16.6	70	16.1	70	16.5	16.3	
Ottawa.....	66	11.2	95	16.1	68	11.0	88	14.2	77	12.2	12.9	
Pawnee.....	82	11.0	85	11.8	102	14.1	89	12.8	92	13.2	12.6	
Phillips.....	79	13.0	83	13.9	84	14.0	85	14.5	119	20.3	15.1	
Pottawatomie.....	165	8.8	176	9.3	173	9.5	169	9.2	161	8.7	9.1	
Pratt.....	122	12.6	115	12.1	128	13.3	129	13.5	121	12.7	12.8	
Rawlins.....	39	12.5	42	13.9	48	16.2	41	14.1	34	11.8	13.7	
Reno.....	685	10.8	697	10.9	699	10.8	703	10.9	701	11.0	10.9	
Republic.....	102	16.7	107	17.9	109	18.7	110	19.5	103	18.8	18.3	
Rice.....	130	12.5	132	12.9	136	12.6	131	12.4	123	11.7	12.4	
Riley.....	261	4.1	323	5.1	296	4.7	331	5.5	326	5.3	4.9	
Rooks.....	70	12.4	83	14.8	70	12.3	80	14.3	72	13.1	13.4	
Rush.....	51	14.9	60	17.8	54	15.2	61	17.5	66	18.9	16.9	
Russell.....	89	11.8	114	15.3	106	14.4	98	13.7	94	13.3	13.7	
Saline.....	500	9.7	480	9.3	493	9.2	506	9.4	467	8.7	9.3	
Scott.....	62	12.4	55	11.1	58	11.3	47	9.4	64	13.0	11.4	
Sedgwick.....	3,640	8.1	3,477	7.7	3,626	8.0	3,684	8.1	3,847	8.3	8.0	
Seward.....	131	6.6	124	6.2	160	7.1	151	6.7	126	5.5	6.4	
Shawnee.....	1,617	9.8	1,721	10.1	1,757	10.3	1,785	10.5	1,702	10.0	10.1	
Sheridan.....	26	9.5	41	15.3	27	9.6	46	16.9	35	13.3	12.9	
Sherman.....	72	11.1	77	11.8	73	10.8	67	10.3	79	12.3	11.3	
Smith.....	70	15.3	81	17.7	76	16.8	79	17.8	60	13.7	16.3	
Stafford.....	82	16.4	70	14.0	74	15.5	70	14.7	81	17.4	15.6	
Stanton.....	23	10.2	18	8.1	26	10.8	15	6.2	21	8.7	8.8	
Stevens.....	37	6.9	38	7.0	52	9.5	63	11.7	38	7.1	8.4	
Sumner.....	297	11.0	292	10.7	308	11.9	247	9.6	270	10.6	10.8	
Thomas.....	75	9.3	81	10.2	78	9.5	74	9.2	78	9.6	9.6	
Trego.....	49	14.9	60	18.4	49	14.8	45	14.1	46	14.6	15.4	
Wabaunsee.....	80	12.0	80	12.2	75	10.9	77	11.3	55	8.2	10.9	
Wallace.....	17	9.4	20	11.1	19	10.9	21	12.3	21	12.4	11.2	
Washington.....	93	14.3	98	15.1	99	15.3	109	17.2	96	15.3	15.4	
Wichita.....	23	8.7	22	8.5	26	10.3	21	8.3	29	11.6	9.5	
Wilson.....	148	14.5	152	14.7	169	16.4	138	13.5	134	13.2	14.5	
Woodson.....	61	15.3	59	15.1	55	14.5	65	17.3	69	18.8	16.2	
Wyandotte.....	1,496	9.8	1,624	10.7	1,532	9.7	1,551	9.9	1,588	10.0	10.0	
Peer Group												
Frontier	1,316	13.3	1,379	14.2	1,331	13.5	1,274	13.2	1,322	13.8	13.6	
Rural	3,732	12.9	3,728	13.0	3,813	13.1	3,718	12.9	3,789	13.2	13.0	
Densely -Settled Rural	4,382	10.4	4,485	10.5	4,541	10.5	4,367	10.1	4,488	10.4	10.4	
Semi-Urban	4,776	9.0	4,779	9.0	4,877	9.1	4,807	9.0	4,811	9.0	9.0	
Urban	9,722	7.5	10,009	7.6	10,114	7.6	10,424	7.7	10,558	7.7	7.6	

* Rate per 1,000 population

** See Technical Notes for Peer Group definition.

Table 31
Deaths By Number And Rate*
By Selected City Of Residence
Kansas, 1998-2002

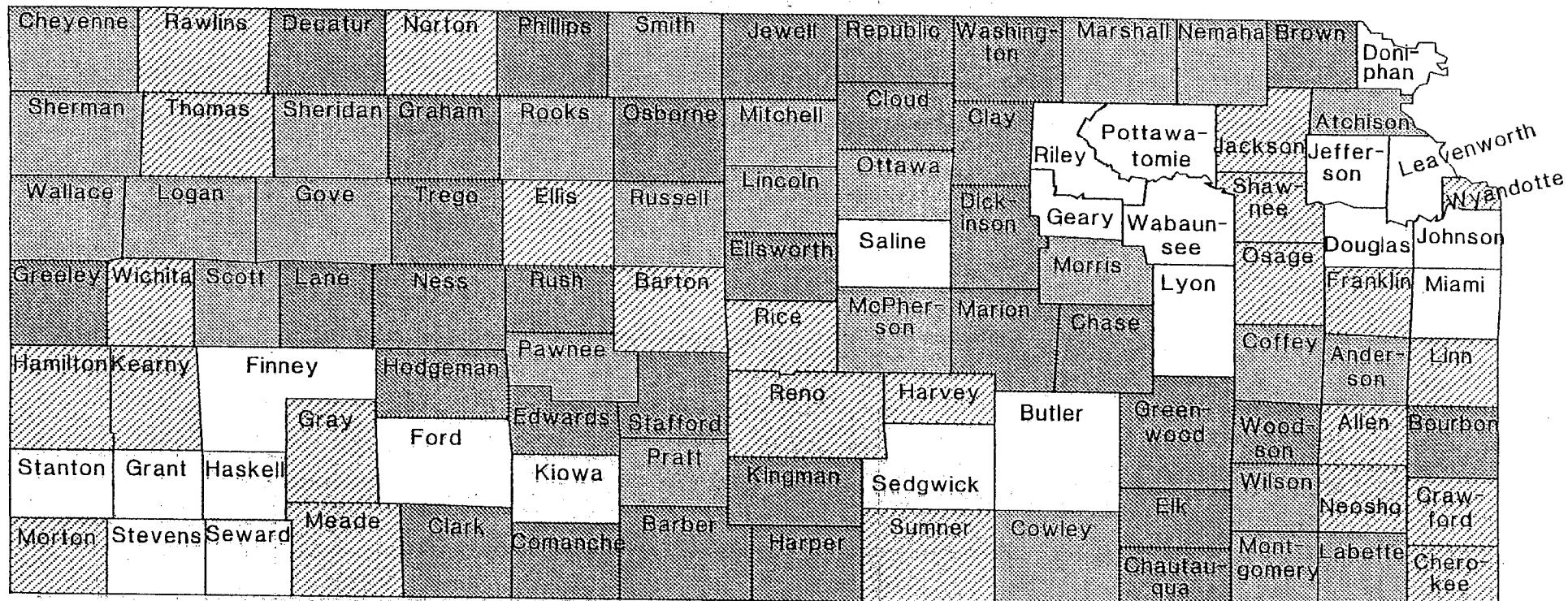
City of Residence											5-Year Rate	
	1998		1999		2000		2001		2002			
	Number	Rate										
Abilene.....	101	15.5	108	16.6	97	14.8	85	13.1	120	18.6	15.7	
Andover.....	38	7.6	53	10.6	62	9.3	64	8.9	56	7.2	8.7	
Anthony.....	29	12.6	42	19.1	43	17.6	31	13.1	42	17.9	16.1	
Arkansas City.....	158	12.5	171	13.4	194	16.2	198	16.9	183	15.2	14.8	
Atchison.....	160	15.1	148	14.0	141	13.8	130	12.8	160	15.8	14.3	
Augusta.....	111	11.6	109	11.1	129	15.3	82	9.7	118	13.9	12.3	
Baldwin City.....	36	10.6	15	4.2	34	10.0	35	10.0	46	12.9	9.5	
Baxter Springs.....	68	14.8	69	15.0	74	16.1	63	14.0	55	12.5	14.5	
Belleville.....	67	27.9	60	26.1	74	33.1	71	32.8	50	23.8	28.7	
Beloit.....	65	16.7	63	16.2	73	18.2	46	11.7	54	14.0	15.4	
Bonner Springs.....	47	7.8	68	11.3	50	7.4	61	9.0	67	9.8	9.1	
Burlington.....	39	13.9	26	9.3	43	15.4	45	16.3	38	13.6	13.7	
Chanute.....	133	14.3	124	13.3	129	13.7	132	14.3	119	13.0	13.7	
Cherryvale.....	39	16.3	39	17.0	36	15.1	40	17.1	27	11.7	15.4	
Clay Center.....	71	15.4	75	16.7	66	14.5	58	12.8	81	18.1	15.5	
Coffeyville.....	180	14.6	165	13.5	179	16.2	189	17.6	189	17.8	15.9	
Colby.....	55	10.4	69	13.3	59	10.8	54	10.1	59	11.0	11.1	
Columbus.....	47	13.8	64	18.8	57	16.8	52	15.5	60	18.2	16.6	
Concordia.....	103	18.4	92	16.4	110	19.3	96	17.3	82	14.9	17.3	
Derby.....	129	7.9	126	7.7	114	6.4	127	7.0	127	6.7	7.1	
Dodge City.....	185	8.2	202	8.9	188	7.5	203	8.1	210	8.3	8.2	
Edwardsville.....	56	15.1	62	16.8	48	11.6	54	12.4	55	12.4	13.7	
El Dorado.....	149	10.6	170	11.9	167	13.9	164	13.7	168	13.3	12.7	
Ellinwood.....	21	9.5	27	11.7	30	13.9	23	10.8	34	16.1	12.4	
Emporia.....	220	8.8	222	9.0	253	9.5	228	8.6	231	8.6	8.9	
Eudora.....	54	15.9	46	12.8	53	12.3	55	12.5	45	9.3	12.6	
Eureka.....	73	23.5	68	22.7	53	18.2	70	23.8	68	23.5	22.3	
Fairway.....	29	5.8	31	6.0	30	7.6	34	8.7	27	6.9	7.0	
Fort Scott.....	153	18.0	140	16.7	168	20.2	121	14.6	161	19.8	17.9	
Fredonia.....	54	20.8	50	19.2	55	21.2	44	17.2	46	18.1	19.3	
Frontenac.....	52	20.0	35	13.5	42	14.0	50	16.7	48	15.7	16.0	
Galena.....	51	14.6	42	12.0	52	15.8	40	12.3	43	13.5	13.6	
Garden City.....	178	6.7	165	6.0	196	6.9	179	6.4	178	6.4	6.5	
Garnett.....	63	19.1	44	13.3	61	18.1	61	18.0	63	18.7	17.4	
Girard.....	47	16.2	52	17.9	68	24.5	38	13.9	36	13.2	17.1	
Goodland.....	66	14.0	58	12.3	63	12.7	51	10.7	68	14.5	12.8	
Great Bend.....	190	13.1	214	14.3	193	12.6	189	12.5	175	11.6	12.8	
Hays.....	170	9.4	166	9.2	155	7.7	153	7.7	198	9.9	8.8	
Haysville.....	73	7.8	91	9.7	73	8.6	91	10.0	85	9.1	9.0	
Herington.....	64	22.9	53	18.9	39	15.2	55	21.9	55	22.0	20.2	
Hesston.....	51	15.5	49	14.8	48	13.7	48	13.6	47	13.1	14.1	
Hiawatha.....	52	14.4	52	14.9	58	17.0	51	15.0	58	17.2	15.7	
Hillsboro.....	40	13.8	43	15.4	54	18.9	29	10.1	57	20.1	15.7	
Hoisington.....	41	13.7	40	12.9	50	16.8	46	15.8	38	12.8	14.4	
Holton.....	65	19.1	68	20.0	56	16.7	55	16.5	58	17.6	18.0	
Hugoton.....	28	8.2	27	7.9	39	10.5	48	13.2	32	8.9	9.7	
Hutchinson.....	486	12.2	484	12.1	515	12.6	505	12.5	530	13.0	12.5	
Independence.....	133	14.0	142	15.1	135	13.7	147	15.3	146	15.3	14.7	
Iola.....	86	13.7	94	14.9	102	16.2	98	15.8	92	14.9	15.1	
Junction City.....	192	11.2	190	11.2	170	9.0	148	8.2	174	9.8	9.9	
Kansas City.....	1,371	9.7	1,485	10.6	1,418	9.7	1,422	9.7	1,460	9.9	9.9	

Table 31
 Deaths By Number And Rate*
 By Selected City Of Residence
 Kansas, 1998-2002

City of Residence											5-Year Rate	
	1998		1999		2000		2001		2002			
	Number	Rate										
Kingman.....	42	12.7	72	21.8	48	14.2	50	15.1	62	19.0	16.6	
Lansing.....	61	7.7	56	7.1	60	6.5	63	6.7	81	8.5	7.3	
Larned.....	59	13.4	70	16.3	77	18.2	66	16.2	80	19.8	16.8	
Lawrence.....	360	4.8	371	4.7	381	4.8	392	4.9	399	4.9	4.8	
Leavenworth.....	280	6.6	297	6.9	248	7.0	310	8.7	273	7.7	7.4	
Leawood.....	144	6.1	161	6.6	158	5.7	149	5.3	171	6.0	5.9	
Lenexa.....	199	4.8	246	5.8	281	7.0	255	6.3	207	5.0	5.8	
Liberal.....	117	6.6	112	6.3	144	7.3	136	7.0	111	5.5	6.5	
Lindsborg.....	57	17.8	55	16.7	62	18.7	45	13.5	47	14.3	16.2	
Lyons.....	58	16.1	60	16.7	66	17.7	49	13.4	57	15.8	15.9	
Manhattan	191	5.1	238	6.4	228	5.1	267	6.2	257	5.9	5.7	
Marysville.....	57	17.8	58	18.7	51	15.6	55	17.2	42	13.4	16.5	
McPherson.....	120	9.2	137	10.5	147	10.7	139	10.1	165	12.0	10.5	
Medicine Lodge.....	44	20.0	39	17.7	34	15.5	28	13.2	37	17.7	16.8	
Merriam.....	95	6.6	92	6.3	91	8.3	88	8.0	80	7.4	7.3	
Mission.....	88	7.7	78	6.6	86	8.8	83	8.6	78	8.1	8.0	
Mission Hills.....	24	5.7	19	4.4	21	5.8	24	6.7	26	7.3	6.0	
Mulvane	56	10.8	48	9.2	47	9.1	43	8.2	56	10.2	9.5	
Neodesha.....	49	17.5	51	17.6	56	19.7	62	22.1	55	19.9	19.4	
Newton.....	192	10.4	197	10.7	212	12.3	188	10.9	197	11.0	11.1	
Norton.....	57	19.7	62	21.4	54	17.9	45	15.3	52	17.6	18.4	
Olathe.....	371	4.8	398	5.1	394	4.2	441	4.6	457	4.5	4.6	
Osage City.....	34	11.3	51	17.0	38	12.5	51	16.8	48	15.9	14.7	
Osawatomie.....	80	15.4	60	11.3	80	17.2	81	17.5	68	14.7	15.2	
Ottawa.....	173	14.4	143	11.7	146	12.2	132	11.1	136	11.4	12.2	
Overland Park.....	844	6.2	938	6.8	930	6.2	1,033	6.7	1,036	6.5	6.5	
Paola.....	70	13.2	62	11.5	67	13.4	69	13.7	56	11.1	12.6	
Parsons.....	173	14.9	148	12.9	206	17.9	172	15.1	189	16.7	15.5	
Phillipsburg.....	38	14.6	42	16.2	47	17.6	38	14.6	56	21.6	16.9	
Pittsburg.....	224	12.3	223	12.3	224	11.6	229	12.0	219	11.5	11.9	
Plainville.....	26	13.0	37	18.5	24	11.8	39	19.5	36	18.5	16.3	
Prairie Village.....	193	6.9	201	7.0	196	8.9	207	9.4	194	8.9	8.2	
Pratt.....	93	13.9	89	13.5	105	16.0	109	16.8	104	16.0	15.2	
Roeland Park.....	47	5.1	55	5.7	38	5.6	49	7.2	46	6.9	6.1	
Russell.....	60	13.0	70	15.2	64	13.6	68	14.9	65	14.5	14.2	
Salina.....	455	10.3	445	10.1	452	9.9	461	10.1	410	8.9	9.9	
Scott City.....	50	13.9	51	14.6	54	14.0	45	12.0	56	15.0	13.9	
Shawnee.....	231	5.0	265	5.6	238	5.0	278	5.5	278	5.3	5.3	
Topeka.....	1,399	11.4	1,477	11.6	1,524	12.5	1,534	12.6	1,480	12.1	12.0	
Ulysses.....	48	7.9	40	6.7	55	9.2	36	6.1	46	7.8	7.5	
Valley Center.....	46	11.5	34	8.3	36	7.4	54	11.0	44	8.8	9.4	
Wamego.....	50	11.6	46	10.5	42	9.9	45	10.7	46	10.9	10.7	
Wellington.....	96	10.9	111	12.6	124	14.3	99	11.6	108	12.8	12.4	
Wichita.....	3,081	9.1	2,918	8.6	3,117	9.1	3,081	8.9	3,253	9.2	9.0	
Winfield.....	158	13.5	188	15.8	160	13.1	163	13.4	164	13.4	13.8	

*Rate per 1,000 population

Death Rates By County Of Residence Kansas, 2002



Deaths Per 1,000 Population

State Rate: 9.2

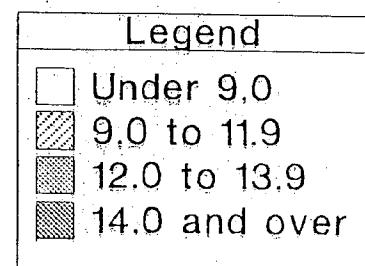
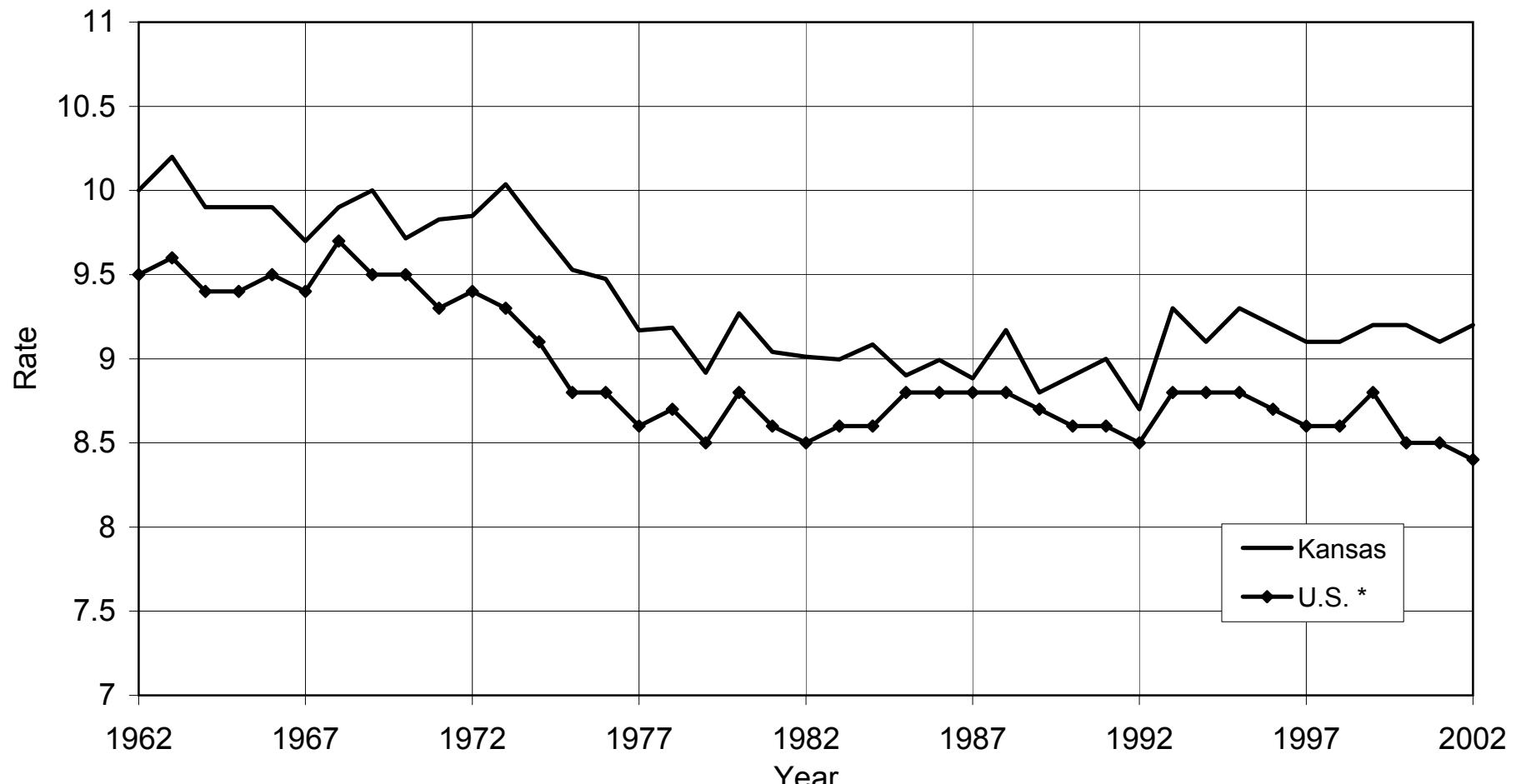


Figure 26

Death Rates

Kansas and the U.S., 1962-2002



*2001-2002 Rates Provisional

Rate per 1,000 Population

Residence Data

Figure 27

Table 32
Fetal Deaths By Cause Of Death And Weeks Gestation
Kansas, 2002

Cause of Death (ICD-10 Code)	Total Fetal Deaths	Weeks Gestation				
		Under 20	20-31	32-41	42 & Over	N.S.
All Causes.....	146	3	71	65	1	6
Certain Conditions Originating in the Perinatal Period (P00-P96).....	98	2	55	36	1	4
-Fetus Affected by Maternal Conditions (P00).....	4	0	3	0	0	1
-Fetus Affected by Maternal Complications of Pregnancy (P01).....	6	0	5	1	0	0
-Fetus Affected by Complications of Placenta, Cord & Membrane (P02).....	51	0	25	24	1	1
-Fetus Affected by Complications of Labor & Delivery (P03).....	1	0	1	0	0	0
-Disorders Related to Short Gestation & Low Birth Weight (P07).....	11	1	8	1	0	1
-Hypoxia and Birth Asphyxia (P20-P21).....	0	0	0	0	0	0
-Cardiovascular Disorders (P29).....	0	0	0	0	0	0
-Hemorrhagic & Hematologic Disorders of Fetus (P50-P54, P56).....	0	0	0	0	0	0
-Fetal Death of Unspecified Cause (P95).....	19	0	10	9	0	0
-Other Perinatal Conditions (P04-P05, P08-P15, P22-P28, P35-P39, P55, P57-P94, P96).....	6	1	3	1	0	1
Congenital Anomalies (Q00-Q99).....	19	1	7	11	0	0
Symptoms, Signs & Abnormal Findings (R00-R99).....	29	0	9	18	0	2
All other Causes (A00-N00, V06-Y36).....	0	0	0	0	0	0

Residence data

Table 33
Perinatal Period III Deaths By Component
Kansas, 1972-2002

Year	Fetal Deaths	Hebdomadal Deaths	Perinatal Period III Deaths	
			Number	Rate*
1972.....	375	410	785	23.4
1973.....	355	342	697	21.6
1974.....	379	354	733	22.2
1975.....	341	304	645	18.9
1976.....	364	310	674	18.9
1977.....	308	335	643	17.3
1978.....	331	254	585	15.8
1979.....	330	260	590	15.0
1980.....	340	226	566	13.8
1981.....	316	264	580	14.0
1982.....	336	234	570	13.9
1983.....	296	202	498	12.2
1984.....	277	200	477	11.9
1985.....	274	184	458	11.5
1986.....	242	153	395	10.0
1987.....	253	179	432	11.2
1988.....	236	161	397	10.2
1989.....	240	138	378	9.7
1990.....	217	162	379	9.7
1991.....	205	158	363	9.6
1992.....	216	165	381	10.0
1993.....	222	171	393	10.5
1994.....	231	140	371	9.9
1995.....	183	134	317	8.5
1996.....	179	157	336	9.2
1997.....	202	147	349	9.3
1998.....	199	132	331	8.6
1999.....	175	159	334	8.6
2000.....	177	146	323	8.1
2001.....	209	148	357	9.1
2002.....	146	155	301	7.6

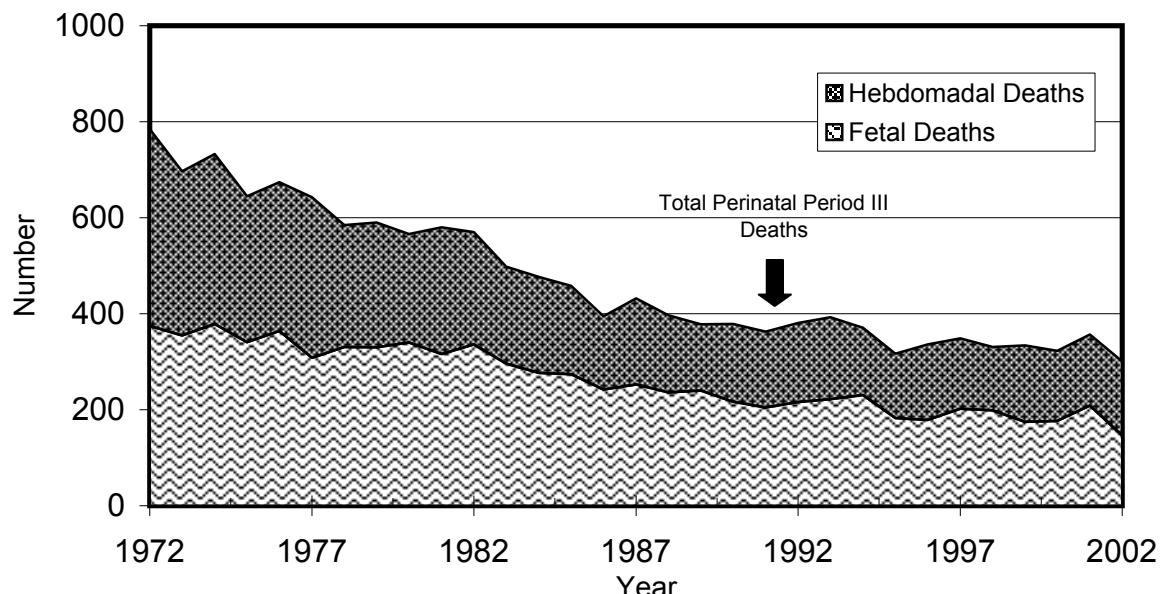
*Rate per 1,000 live births + fetal deaths
Residence data

Table 34
 Perinatal Period III Deaths By Component
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Perinatal Period III Deaths		County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths			Fetal Deaths	Hebdomadal Deaths
Kansas.....	301	146	155				
Allen.....	3	3	0	Lyon.....	3	1	2
Anderson.....	1	1	0	Marion.....	1	1	0
Atchison.....	0	0	0	Marshall.....	0	0	0
Barber.....	0	0	0	McPherson.....	1	0	1
Barton.....	3	1	2	Meade.....	0	0	0
Bourbon.....	3	2	1	Miami.....	1	0	1
Brown.....	4	2	2	Mitchell.....	0	0	0
Butler.....	5	4	1	Montgomery.....	7	3	4
Chase.....	0	0	0	Morris.....	0	0	0
Chautauqua.....	0	0	0	Morton.....	0	0	0
Cherokee.....	2	2	0	Nemaha.....	1	1	0
Cheyenne.....	0	0	0	Neosho.....	4	2	2
Clark.....	0	0	0	Ness.....	0	0	0
Clay.....	2	1	1	Norton.....	0	0	0
Cloud.....	0	0	0	Osage.....	0	0	0
Coffey.....	0	0	0	Osborne.....	0	0	0
Comanche.....	0	0	0	Ottawa.....	0	0	0
Cowley.....	4	2	2	Pawnee.....	3	2	1
Crawford.....	4	1	3	Phillips.....	0	0	0
Decatur.....	0	0	0	Pottawatomie.....	5	3	2
Dickinson.....	0	0	0	Pratt.....	2	0	2
Doniphan.....	0	0	0	Rawlins.....	0	0	0
Douglas.....	10	6	4	Reno.....	6	3	3
Edwards.....	1	1	0	Republic.....	0	0	0
Elk.....	0	0	0	Rice.....	0	0	0
Ellis.....	0	0	0	Riley.....	4	2	2
Ellsworth.....	0	0	0	Rooks.....	0	0	0
Finney.....	5	4	1	Rush.....	1	1	0
Ford.....	4	1	3	Russell.....	1	0	1
Franklin.....	4	3	1	Saline.....	5	2	3
Geary.....	10	7	3	Scott.....	1	0	1
Gove.....	0	0	0	Sedgwick.....	74	26	48
Graham.....	0	0	0	Seward.....	6	3	3
Grant.....	0	0	0	Shawnee.....	16	8	8
Gray.....	2	2	0	Sheridan.....	0	0	0
Greeley.....	1	1	0	Sherman.....	0	0	0
Greenwood.....	1	1	0	Smith.....	0	0	0
Hamilton.....	0	0	0	Stafford.....	0	0	0
Harper.....	1	1	0	Stanton.....	0	0	0
Harvey.....	3	1	2	Stevens.....	0	0	0
Haskell.....	0	0	0	Sumner.....	3	2	1
Hodgeman.....	1	1	0	Thomas.....	1	1	0
Jackson.....	0	0	0	Trego.....	0	0	0
Jefferson.....	0	0	0	Wabaunsee.....	0	0	0
Jewell.....	0	0	0	Wallace.....	0	0	0
Johnson.....	40	21	19	Washington.....	0	0	0
Kearny.....	1	0	1	Wichita.....	1	0	1
Kingman.....	0	0	0	Wilson.....	1	1	0
Kiowa.....	0	0	0	Woodson.....	0	0	0
Labette.....	2	2	0	Wyandotte.....	31	11	20
Lane.....	1	0	1				
Leavenworth.....	3	1	2				
Lincoln.....	0	0	0				
Linn.....	0	0	0				
Logan.....	1	1	0				

Perinatal Period III Deaths by Component

Kansas, 1972-2002

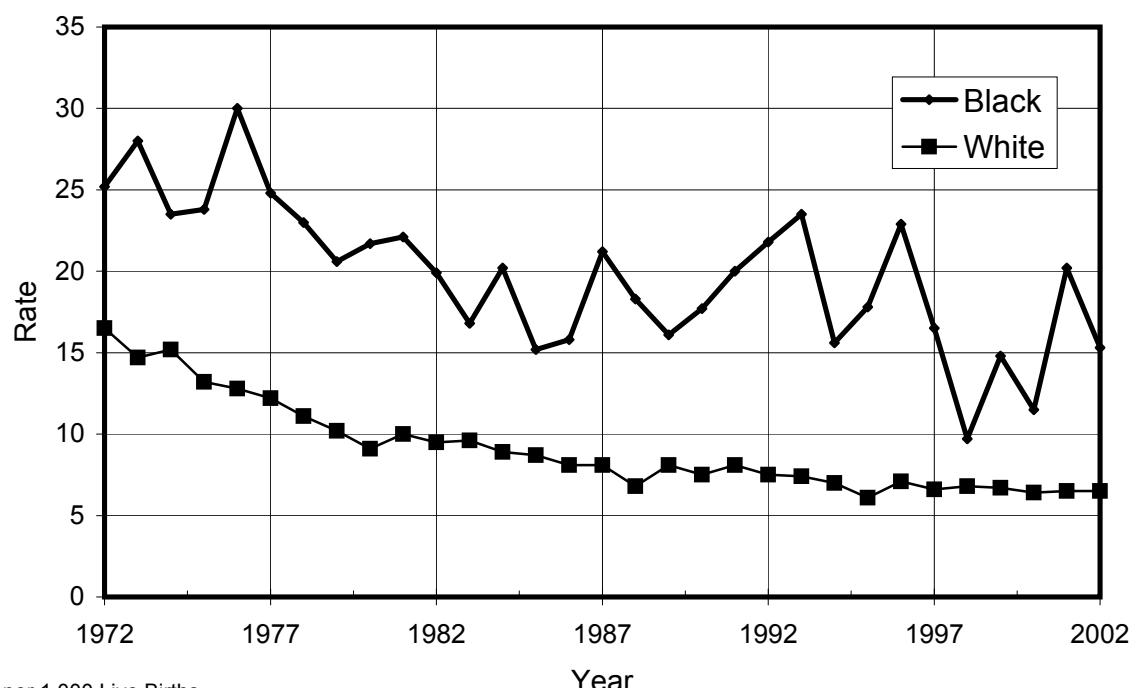


Residence

Figure 28

Infant Death Rates by Race of Mother

Kansas 1972-2002



Rate per 1,000 Live Births
Residence Data

Figure 29

Table 35
Infant Death Rates*
By Race Of Mother
Kansas, 1972-2002

Year	White			Black			Total Infant Death Rate: All Races**
	Live Births	Infant Deaths	Rate	Live Births	Infant Deaths	Rate	
1972	30,351	502	16.5	2,377	60	25.2	17.2
1973	29,328	431	14.7	2,214	62	28.0	15.5
1974	30,046	458	15.2	2,212	52	23.5	15.7
1975	30,980	408	13.2	2,226	53	23.8	13.9
1976	32,220	414	12.8	2,433	73	30.0	13.9
1977	33,657	411	12.2	2,577	64	24.8	13.0
1978	33,277	369	11.1	2,691	62	23.0	12.0
1979	35,315	360	10.2	2,918	60	20.6	11.0
1980	36,772	336	9.1	3,129	68	21.7	10.1
1981	37,253	374	10.0	3,030	67	22.1	11.0
1982	36,650	350	9.5	3,065	61	19.9	10.2
1983	36,424	349	9.6	2,971	50	16.8	10.1
1984	36,025	322	8.9	2,916	59	20.2	9.8
1985	35,551	308	8.7	2,890	44	15.2	9.1
1986	35,142	283	8.1	3,032	48	15.8	8.6
1987	34,371	279	8.1	3,068	65	21.2	9.2
1988	34,541	234	6.8	3,176	58	18.3	7.9
1989	34,387	278	8.1	3,235	52	16.1	8.8
1990	34,605	261	7.5	3,328	59	17.7	8.4
1991	33,404	269	8.1	3,154	63	20.0	9.0
1992	33,472	252	7.5	3,310	72	21.8	8.8
1993	32,896	242	7.4	3,230	76	23.5	8.7
1994	33,041	230	7.0	3,133	49	15.6	7.6
1995	32,964	201	6.1	2,867	51	17.8	6.9
1996	32,610	230	7.1	2,755	63	22.9	8.2
1997	33,118	218	6.6	2,794	46	16.5	7.4
1998	34,192	234	6.8	2,771	27	9.7	6.9
1999	34,483	230	6.7	2,841	42	14.8	7.3
2000	35,158	224	6.4	2,858	33	11.5	6.7
2001	34,437	223	6.5	2,770	56	20.2	7.3
2002	34,740	227	6.5	2,872	44	15.3	7.2

*Rate per 1,000 live births

**Other nonwhite data is not included in this table due
to the small numbers but is available upon request.
Residence data

Table 36
 Infant Deaths By County Of Residence
 And By Peer Group*
 Kansas, 1998-2002

County of Residence	Year					Total Infant Deaths 1998-2002	Infant Death Rate** 1998-2002
	1998	1999	2000	2001	2002		
Kansas.....	263	281	266	285	282	1,377	7.1
Allen.....	1	1	0	2	0	4	4.6
Anderson.....	0	1	1	0	0	2	3.8
Atchison.....	1	2	4	2	0	9	8.5
Barber.....	0	0	0	1	0	1	4.5
Barton.....	5	1	0	2	4	12	6.7
Bourbon.....	3	2	2	0	2	9	9.1
Brown.....	4	1	2	1	2	10	14.6
Butler.....	8	4	4	2	8	26	6.8
Chase.....	0	0	0	0	0	0	0.0
Chautauqua.....	0	0	0	0	0	0	0.0
Cherokee.....	0	3	2	0	0	5	3.5
Cheyenne.....	0	0	0	0	1	1	7.2
Clark.....	0	0	0	0	0	0	0.0
Clay.....	2	1	0	0	1	4	8.4
Cloud.....	0	0	1	2	1	4	7.5
Coffey.....	0	0	1	0	0	1	2.0
Comanche.....	0	0	0	0	0	0	0.0
Cowley.....	2	4	1	11	4	22	9.3
Crawford.....	3	4	4	2	3	16	6.0
Decatur.....	0	0	0	0	0	0	0.0
Dickinson.....	1	1	4	1	0	7	6.4
Doniphan.....	1	0	0	1	0	2	4.2
Douglas.....	9	3	7	5	8	32	5.4
Edwards.....	0	0	2	1	0	3	13.8
Elk.....	0	0	3	0	0	3	20.0
Ellis.....	3	4	2	1	2	12	7.0
Ellsworth.....	0	1	2	0	0	3	11.3
Finney.....	6	1	11	5	4	27	6.2
Ford.....	3	5	7	13	8	36	11.1
Franklin.....	4	3	1	2	2	12	6.6
Geary.....	13	15	4	12	8	52	17.5
Gove.....	0	0	0	0	0	0	0.0
Graham.....	0	0	1	0	1	2	17.9
Grant.....	1	2	2	0	0	5	6.5
Gray.....	1	0	1	1	1	4	8.4
Greeley.....	0	0	0	0	0	0	0.0
Greenwood.....	3	0	0	2	2	7	16.9
Hamilton.....	0	0	0	1	0	1	4.5
Harper.....	0	0	0	0	0	0	0.0
Harvey.....	4	1	1	0	2	8	3.7
Haskell.....	1	0	0	2	0	3	8.1
Hodgeman.....	0	0	0	0	1	1	10.3
Jackson.....	0	6	1	2	0	9	11.4
Jefferson.....	1	0	2	1	0	4	3.8
Jewell.....	0	0	1	0	0	1	8.2
Johnson.....	31	34	42	43	30	180	5.2
Kearny.....	1	0	0	0	1	2	5.3
Kingman.....	0	0	2	0	0	2	4.3
Kiowa.....	0	0	0	0	0	0	0.0
Labette.....	1	2	4	0	1	8	5.8
Lane.....	0	0	0	0	1	1	10.2
Leavenworth.....	10	6	6	8	8	38	8.5
Lincoln.....	0	1	1	0	1	3	16.1
Linn.....	0	2	2	0	1	5	8.9
Logan.....	0	0	0	0	0	0	0.0

Table 36
Infant Deaths By County Of Residence
And By Peer Group*
Kansas, 1998-2002

County of Residence	Year					Total Infant Deaths 1998-2002	Infant Death Rate** 1998-2002
	1998	1999	2000	2001	2002		
Lyon.....	4	1	2	1	2	10	3.9
Marion.....	0	1	1	0	2	4	5.7
Marshall.....	2	0	0	0	1	3	5.3
McPherson.....	1	1	2	2	2	8	4.6
Meade.....	0	0	1	0	0	1	3.0
Miami.....	1	2	5	1	1	10	5.3
Mitchell.....	0	0	0	0	0	0	0.0
Montgomery.....	5	5	1	5	7	23	9.8
Morris.....	2	1	0	0	0	3	9.8
Morton.....	0	0	0	0	0	0	0.0
Nemaha.....	1	1	0	0	0	2	2.8
Neosho.....	2	2	3	0	2	9	9.1
Ness.....	0	0	0	0	1	1	6.2
Norton.....	0	1	0	0	0	1	3.7
Osage.....	0	1	2	1	1	5	5.4
Osborne.....	1	0	0	0	0	1	5.4
Ottawa.....	1	1	0	1	0	3	8.5
Pawnee.....	0	0	0	2	1	3	8.3
Phillips.....	0	0	0	3	0	3	9.3
Pottawatomie.....	2	3	2	2	5	14	10.6
Pratt.....	0	0	0	1	3	4	7.1
Rawlins.....	1	0	0	0	0	1	8.6
Reno.....	8	5	4	8	3	28	6.6
Republic.....	0	0	0	0	0	0	0.0
Rice.....	1	1	0	0	0	2	3.2
Riley.....	2	4	1	3	4	14	3.0
Rooks.....	0	0	0	0	0	0	0.0
Rush.....	0	0	0	0	0	0	0.0
Russell.....	0	0	1	0	1	2	5.7
Saline.....	4	6	4	5	6	25	6.6
Scott.....	0	0	0	0	2	2	6.2
Sedgwick.....	57	62	58	72	76	325	8.6
Seward.....	1	5	4	5	5	20	7.7
Shawnee.....	16	30	23	20	18	107	8.8
Sheridan.....	0	0	0	0	0	0	0.0
Sherman.....	0	0	2	0	1	3	6.9
Smith.....	0	0	0	0	0	0	0.0
Stafford.....	2	0	0	1	0	3	10.9
Stanton.....	0	0	1	0	0	1	5.0
Stevens.....	0	1	0	1	0	2	4.5
Sumner.....	3	0	1	1	1	6	3.6
Thomas.....	1	3	0	0	0	4	7.9
Trego.....	1	0	0	0	0	1	6.4
Wabaunsee.....	0	0	0	0	0	0	0.0
Wallace.....	1	0	0	0	0	1	9.7
Washington.....	0	0	0	1	0	1	3.1
Wichita.....	1	0	0	0	1	2	11.8
Wilson.....	4	1	0	0	0	5	8.3
Woodson.....	1	0	0	0	0	1	5.6
Wyandotte.....	14	32	17	23	28	114	8.1
Peer Group							
Frontier	6	1	10	3	8	28	5.3
Rural	27	25	19	20	19	110	6.5
Densely -Settled Rural	37	38	53	50	41	219	7.1
Semi-Urban	66	56	37	49	54	262	7.0
Urban	127	161	147	163	160	758	7.3

* See Technical Notes for Peer Group definition.

** Rate per 1,000 live births

Table 37
Infant Deaths By Cause Of Death And Age-Group Of Infant
Kansas, 2002

Cause of Death (ICD-10 Code)	Age-Group of Infant						
	Under 1 Day	1-6 Days	Under 7 Days a/	7-27 Days	Under 28 Days b/	28-364 Days	Under 1 Year
All Causes.....	123	32	155	37	192	90	282
Infectious and Parasitic Diseases (A00-B99).....	0	0	0	0	0	3	3
Other Diseases and Disorders (C00-O99).....	0	2	2	1	3	12	15
Certain Conditions Originating in the Perinatal Period (P00-P96).....	95	22	117	17	134	2	136
-Maternal Factors and Compl. of Pregnancy, Labor and Delivery (P00-P04).....	21	0	21	0	21	0	21
-Disorders Relating to Short Gestation and Low Birth Weight (P07).....	58	4	62	1	63	2	65
-Birth Trauma (P10-P15).....	0	5	5	0	5	0	5
-Hypoxia and Birth Asphyxia (P20-P21).....	1	0	1	1	2	0	2
-Respiratory Distress of Newborn (P22).....	0	1	1	0	1	0	1
-Congenital Pneumonia (P23).....	0	0	0	0	0	0	0
-Other Respiratory Conditions of Newborn (P24-P28).....	2	5	7	0	7	0	7
-Bacterial Sepsis of Newborn (P36).....	0	1	1	5	6	0	6
-Omphalitis of Newborn w/wo Mild Hemorrhage (P38).....	0	0	0	0	0	0	0
-Hemorrhagic and Hematolog. Disorders of Fetus and Newborn (P50-P61).....	2	3	5	3	8	0	8
-Other Perinatal Conditions (P05, P08, P29, P35, P37, P39, P70-P96).....	11	3	14	7	21	0	21
Congenital Anomalies (Q00-Q99).....	27	8	35	13	48	15	63
Symptoms and Abnormal Findings (R00-R99).....	1	0	1	5	6	45	51
-Sudden Infant Death Syndrome (R95).....	0	0	0	5	5	41	46
-Other (R00-R94, R96-R99).....	1	0	1	0	1	4	5
External Causes of Mortality (V01-Y89).....	0	0	0	1	1	13	14

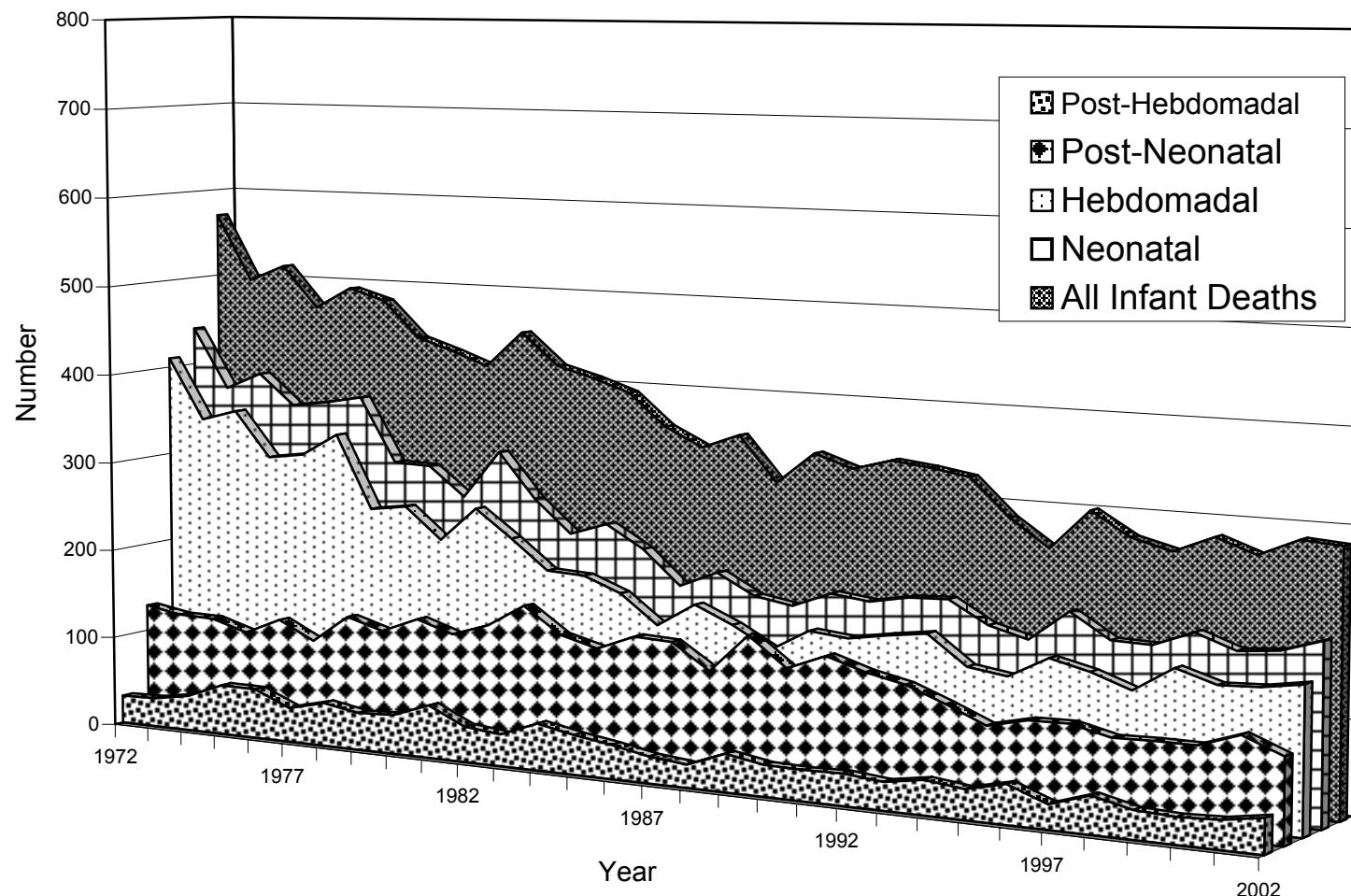
a/Hebdomadal Deaths

b/Neonatal Deaths

Residence data

Infant Deaths by Component

Kansas, 1972-2002



Residence Data

Figure 30

Table 38
 Infant Deaths By Component
 By County Of Residence
 Kansas, 2002

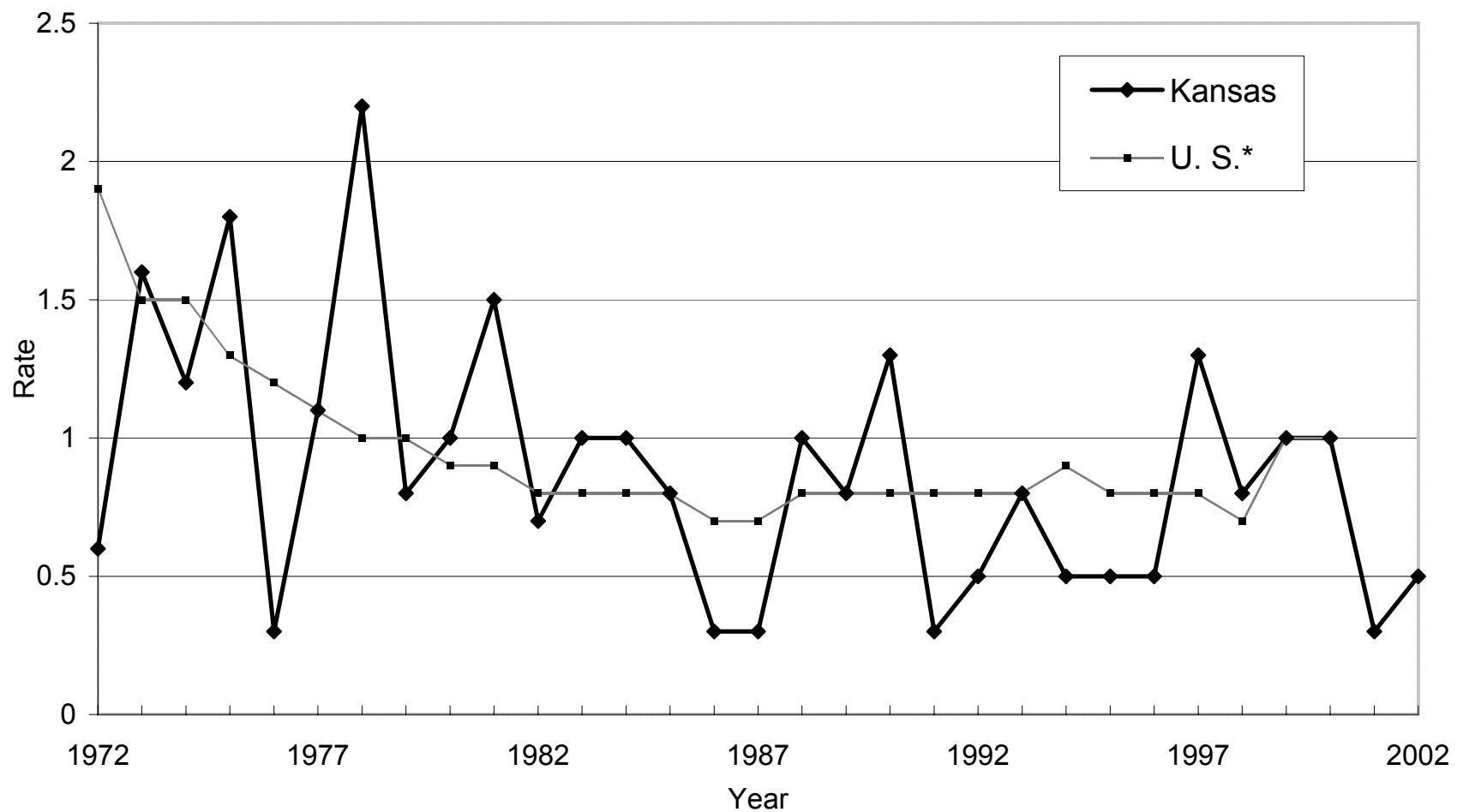
County of Residence	Hebdomadal Deaths Under 7 Days	Post-Hebdomadal Deaths 7-27 Days	Neonatal Deaths Under 28 Days	Post-Neonatal Deaths 28-364 Days	Total Infant Deaths Under 1 Year
Kansas.....	155	37	192	90	282
Allen.....	0	0	0	0	0
Anderson.....	0	0	0	0	0
Atchison.....	0	0	0	0	0
Barber.....	0	0	0	0	0
Barton.....	2	0	2	2	4
Bourbon.....	1	0	1	1	2
Brown.....	2	0	2	0	2
Butler.....	1	4	5	3	8
Chase.....	0	0	0	0	0
Chautauqua.....	0	0	0	0	0
Cherokee.....	0	0	0	0	0
Cheyenne.....	0	0	0	1	1
Clark.....	0	0	0	0	0
Clay.....	1	0	1	0	1
Cloud.....	0	1	1	0	1
Coffey.....	0	0	0	0	0
Comanche.....	0	0	0	0	0
Cowley.....	2	2	4	0	4
Crawford.....	3	0	3	0	3
Decatur.....	0	0	0	0	0
Dickinson.....	0	0	0	0	0
Doniphan.....	0	0	0	0	0
Douglas.....	4	0	4	4	8
Edwards.....	0	0	0	0	0
Elk.....	0	0	0	0	0
Ellis.....	0	0	0	2	2
Ellsworth.....	0	0	0	0	0
Finney.....	1	2	3	1	4
Ford.....	3	0	3	5	8
Franklin.....	1	0	1	1	2
Geary.....	3	1	4	4	8
Gove.....	0	0	0	0	0
Graham.....	0	0	0	1	1
Grant.....	0	0	0	0	0
Gray.....	0	1	1	0	1
Greeley.....	0	0	0	0	0
Greenwood.....	0	0	0	2	2
Hamilton.....	0	0	0	0	0
Harper.....	0	0	0	0	0
Harvey.....	2	0	2	0	2
Haskell.....	0	0	0	0	0
Hodgeman.....	0	0	0	1	1
Jackson.....	0	0	0	0	0
Jefferson.....	0	0	0	0	0
Jewell.....	0	0	0	0	0
Johnson.....	19	3	22	8	30
Kearny.....	1	0	1	0	1
Kingman.....	0	0	0	0	0
Kiowa.....	0	0	0	0	0
Labette.....	0	1	1	0	1
Lane.....	1	0	1	0	1
Leavenworth.....	2	2	4	4	8
Lincoln.....	0	1	1	0	1
Linn.....	0	0	0	1	1
Logan.....	0	0	0	0	0

Table 38
 Infant Deaths By Component
 By County Of Residence
 Kansas, 2002

County of Residence	Hebdomadal Deaths Under 7 Days	Post-Hebdomadal Deaths 7-27 Days	Neonatal Deaths Under 28 Days	Post-Neonatal Deaths 28-364 Days	Total Infant Deaths Under 1 Year
Lyon.....	2	0	2	0	2
Marion.....	0	1	1	1	2
Marshall.....	0	0	0	1	1
McPherson.....	1	0	1	1	2
Meade.....	0	0	0	0	0
Miami.....	1	0	1	0	1
Mitchell.....	0	0	0	0	0
Montgomery.....	4	1	5	2	7
Morris.....	0	0	0	0	0
Morton.....	0	0	0	0	0
Nemaha.....	0	0	0	0	0
Neosho.....	2	0	2	0	2
Ness.....	0	0	0	1	1
Norton.....	0	0	0	0	0
Osage.....	0	0	0	1	1
Osborne.....	0	0	0	0	0
Ottawa.....	0	0	0	0	0
Pawnee.....	1	0	1	0	1
Phillips.....	0	0	0	0	0
Pottawatomie.....	2	0	2	3	5
Pratt.....	2	1	3	0	3
Rawlins.....	0	0	0	0	0
Reno.....	3	0	3	0	3
Republic.....	0	0	0	0	0
Rice.....	0	0	0	0	0
Riley.....	2	1	3	1	4
Rooks.....	0	0	0	0	0
Rush.....	0	0	0	0	0
Russell.....	1	0	1	0	1
Saline.....	3	0	3	3	6
Scott.....	1	0	1	1	2
Sedgwick.....	48	12	60	16	76
Seward.....	3	1	4	1	5
Shawnee.....	8	0	8	10	18
Sheridan.....	0	0	0	0	0
Sherman.....	0	0	0	1	1
Smith.....	0	0	0	0	0
Stafford.....	0	0	0	0	0
Stanton.....	0	0	0	0	0
Stevens.....	0	0	0	0	0
Sumner.....	1	0	1	0	1
Thomas.....	0	0	0	0	0
Trego.....	0	0	0	0	0
Wabaunsee.....	0	0	0	0	0
Wallace.....	0	0	0	0	0
Washington.....	0	0	0	0	0
Wichita.....	1	0	1	0	1
Wilson.....	0	0	0	0	0
Woodson.....	0	0	0	0	0
Wyandotte.....	20	2	22	6	28

Maternal Mortality Rates

Kansas and the U.S., 1972-2002



*2001-2002 Rates Unavailable

Rate per 10,000 Live Births

Residence Data

Figure 31

Table 39
Age-Specific Death Rates* By Sex
Kansas, 1993-2002

Age-Group and Sex	Year									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Both Sexes										
Total.....	9.2	9.0	9.2	9.2	9.0	9.1	9.2	9.2	9.1	9.2
Under 1.....	8.9	7.8	7.1	8.4	7.5	7.1	7.5	7.0	7.5	7.4
1-4.....	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4
5-14.....	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
15-24.....	0.9	1.0	0.9	1.0	0.9	0.9	0.8	0.8	0.9	0.9
25-34.....	1.1	1.2	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.8
35-44.....	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.8	2.0
45-54.....	3.7	3.7	3.9	3.5	3.7	3.6	3.8	3.6	3.9	4.0
55-64.....	10.4	9.6	9.8	10.1	9.7	9.4	9.9	9.3	9.6	9.1
65-74.....	24.5	24.1	24.5	24.4	23.4	23.7	24.0	23.1	22.9	22.4
75-84.....	57.2	55.5	55.9	54.2	54.4	54.1	54.7	55.9	55.7	55.7
85 and over.....	153.3	150.2	154.9	153.4	152.3	154.3	154.2	160.5	154.5	154.6
Male										
Total.....	9.3	9.0	9.2	9.1	9.1	8.9	8.9	8.8	8.8	8.8
Under 1.....	9.0	9.0	7.7	9.4	8.3	7.7	8.7	7.5	8.4	7.6
1-4.....	0.5	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5
5-14.....	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2
15-24.....	1.3	1.4	1.2	1.4	1.3	1.3	1.2	1.2	1.3	1.2
25-34.....	1.6	1.8	1.6	1.6	1.4	1.5	1.3	1.3	1.3	1.2
35-44.....	2.1	2.1	2.3	2.3	2.0	2.2	2.0	2.1	2.2	2.5
45-54.....	4.7	4.7	4.9	4.3	4.7	4.6	4.6	4.5	4.9	4.9
55-64.....	13.1	12.2	12.3	12.3	12.3	11.5	11.9	11.1	11.9	11.1
65-74.....	32.0	31.6	30.7	30.8	30.3	30.3	30.5	27.8	28.1	27.6
75-84.....	75.9	70.2	73.4	70.3	71.0	68.0	67.8	70.3	69.2	67.3
85 and over.....	179.9	176.6	179.4	178.3	175.1	173.6	170.2	187.4	179.6	174.5
Female										
Total.....	9.2	9.1	9.3	9.2	9.0	9.2	9.4	9.5	9.4	9.6
Under 1.....	8.8	6.6	6.5	7.4	6.7	6.4	6.3	6.4	6.5	7.1
1-4.....	0.3	0.4	0.3	0.5	0.2	0.4	0.4	0.4	0.3	0.4
5-14.....	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1
15-24.....	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5
25-34.....	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.5	0.6	0.5
35-44.....	1.2	1.2	1.0	1.1	1.3	1.1	1.2	1.3	1.4	1.5
45-54.....	2.8	2.9	3.0	2.7	2.6	2.6	2.9	2.7	3.0	3.0
55-64.....	7.8	7.3	7.4	8.0	7.2	7.3	8.0	7.6	7.5	7.3
65-74.....	18.5	18.0	19.4	19.2	17.6	18.2	18.7	19.2	18.6	18.1
75-84.....	45.6	46.4	44.9	43.9	43.7	45.1	46.0	46.4	46.9	47.8
85 and over.....	143.1	140.0	145.3	143.5	143.1	146.4	147.5	150.0	144.7	146.5

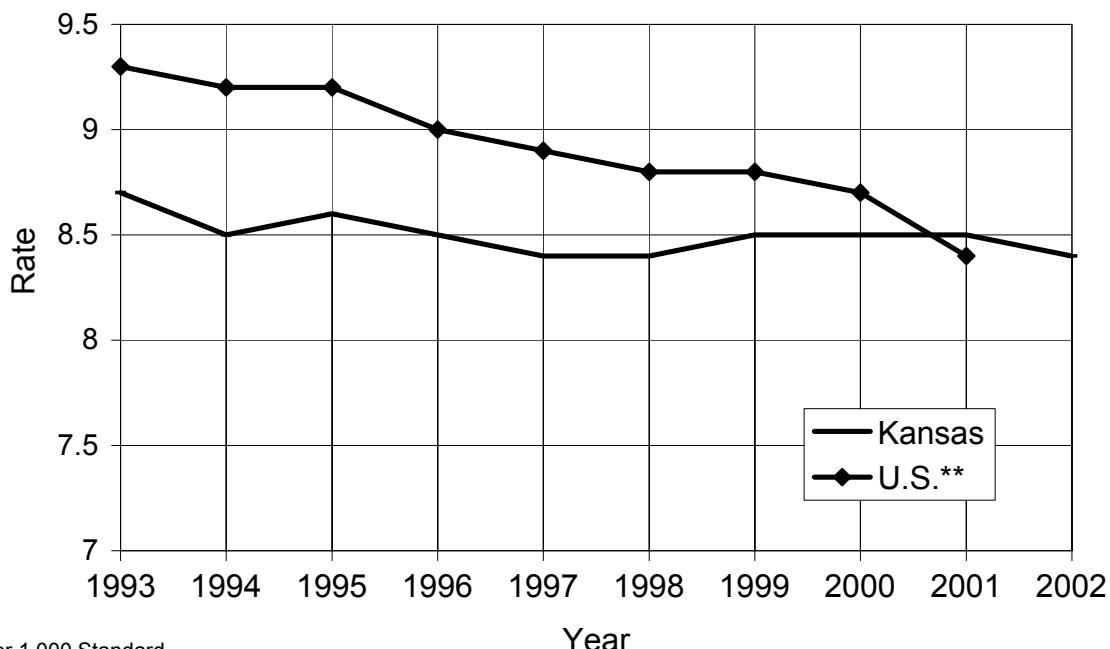
*Rate per 1,000 age-group population

Rates may differ from those published in reports prior to 1999.

Residence data

Age-Adjusted Death Rates*

Kansas and the U.S., 1993-2002



*Rate per 1,000 Standard

U.S. 2000 Population

**2001 Rate Provisional

2002 Rate Not Available

Residence Data

Figure 32

Table 40
Age-Adjusted Death Rates* By Sex
Kansas And The U.S., 1993-2002

Year	Kansas			U.S.**		
	Total	Male	Female	Total	Male	Female
1993.....	8.7	11.0	7.1	9.3	11.8	7.5
1994.....	8.5	10.6	7.0	9.2	11.6	7.5
1995.....	8.6	10.8	7.1	9.2	11.5	7.5
1996.....	8.5	10.6	7.0	9.0	11.2	7.4
1997.....	8.4	10.5	6.8	8.9	10.9	7.4
1998.....	8.4	10.3	6.9	8.8	10.6	7.3
1999.....	8.5	10.2	7.2	8.8	10.6	7.4
2000.....	8.5	10.3	7.2	8.7	10.5	7.3
2001.....	8.5	10.3	7.1	8.4	10.1	7.1
2002.....	8.4	10.1	7.2	n.a.	n.a.	n.a.

* Rate per 1,000 standard U.S. 2000 population (see Technical Notes)

Rates will differ from those published prior to 1999 because they have been recalculated using the 2000 U.S. standard population.

** 2001 Rate Provisional.

Residence data

Table 41
 Deaths By Age-Group And Average Age At Death
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Age-Group												Average Age At Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	N.S.	
Kansas.....	24,968	282	62	68	356	292	811	1,493	2,180	3,839	7,248	8,335	2	74.4
Allen.....	168	0	0	1	5	1	4	9	12	23	38	75	0	76.7
Anderson.....	109	0	0	0	3	0	0	2	11	16	34	43	0	78.1
Atchison.....	208	0	1	0	3	2	8	8	14	33	60	79	0	77.1
Barber.....	77	0	1	0	2	2	1	2	4	15	28	22	0	74.5
Barton.....	294	4	1	0	6	3	4	6	32	43	91	104	0	75.6
Bourbon.....	225	2	0	0	3	2	9	8	19	30	62	90	0	76.7
Brown.....	149	2	0	0	2	1	2	7	7	20	44	64	0	78.2
Butler.....	529	8	1	1	8	5	20	25	48	76	148	189	0	74.6
Chase.....	41	0	0	0	0	0	3	3	3	7	14	11	0	74.5
Chautauqua.....	87	0	0	0	0	2	1	2	4	14	28	36	0	79.5
Cherokee.....	258	0	2	0	1	8	8	16	21	42	79	81	0	74.5
Cheyenne.....	40	1	0	0	2	0	0	1	4	4	12	16	0	73.9
Clark.....	38	0	0	0	1	0	1	1	3	2	14	16	0	79.3
Clay.....	126	1	1	0	1	1	2	5	10	17	38	50	0	77.9
Cloud.....	160	1	0	0	3	1	3	7	9	20	44	72	0	78.5
Coffey.....	110	0	0	0	3	1	4	4	5	15	38	40	0	76.6
Comanche.....	47	0	0	0	0	0	0	1	8	4	13	21	0	79.7
Cowley.....	441	4	2	0	5	5	16	32	32	72	137	136	0	73.9
Crawford.....	439	3	0	1	3	5	15	26	35	53	118	180	0	76.5
Decatur.....	56	0	0	0	1	0	0	1	4	10	17	23	0	80.8
Dickinson.....	287	0	1	2	4	2	10	14	26	35	70	123	0	77.1
Doniphan.....	70	0	0	0	1	0	1	6	5	13	24	20	0	75.6
Douglas.....	560	8	1	2	7	10	21	37	63	91	135	185	0	72.8
Edwards.....	48	0	0	0	1	1	4	0	1	7	17	17	0	76.1
Elk.....	51	0	0	0	0	0	1	2	4	12	12	20	0	79.7
Ellis.....	263	2	1	0	2	2	2	10	16	44	72	112	0	78.0
Ellsworth.....	94	0	0	1	1	0	3	4	2	18	18	47	0	78.7
Finney.....	211	4	0	5	6	8	10	17	31	25	51	54	0	67.4
Ford.....	282	8	1	1	3	2	10	19	23	43	87	85	0	72.4
Franklin.....	238	2	0	0	4	5	7	11	16	40	73	80	0	75.1
Geary.....	209	8	0	0	2	3	4	21	22	31	67	51	0	70.9
Gove.....	38	0	0	0	0	0	1	3	2	4	7	21	0	80.4
Graham.....	42	1	0	0	0	0	0	0	4	7	9	21	0	80.1
Grant.....	52	0	0	0	2	2	1	3	3	15	11	15	0	72.3
Gray.....	70	1	0	0	2	1	1	3	7	8	20	27	0	75.6
Greeley.....	22	0	0	0	0	0	0	0	0	3	9	10	0	84.5
Greenwood.....	136	2	1	0	1	2	1	12	7	19	40	51	0	75.4
Hamilton.....	31	0	0	0	0	0	2	3	1	2	12	11	0	75.5
Harper.....	106	0	0	0	0	0	0	4	6	18	40	38	0	80.2
Harvey.....	347	2	1	1	1	3	14	15	27	45	102	136	0	77.1
Haskell.....	27	0	0	0	0	0	1	3	5	3	8	7	0	72.6
Hodgeman.....	31	1	0	0	1	0	1	0	1	5	6	16	0	77.7
Jackson.....	131	0	0	0	1	1	3	3	10	28	37	48	0	77.5
Jefferson.....	165	0	1	0	6	1	8	12	17	24	53	43	0	71.7
Jewell.....	51	0	0	0	0	0	0	2	1	9	17	22	0	82.2
Johnson.....	2,861	30	5	9	33	42	85	167	248	409	894	939	0	74.7
Kearny.....	51	1	0	0	1	1	1	1	4	11	16	15	0	73.9
Kingman.....	122	0	0	1	2	0	3	4	5	25	33	49	0	77.3
Kiowa.....	25	0	0	0	0	0	1	2	1	1	9	11	0	80.2
Labette.....	302	1	0	0	7	4	9	11	25	35	92	118	0	76.8
Lane.....	39	1	0	0	0	1	4	2	0	3	11	17	0	74.5
Leavenworth.....	524	8	2	2	7	5	22	40	48	86	151	153	0	72.5
Lincoln.....	48	1	0	0	1	0	1	5	3	6	13	18	0	74.7
Linn.....	106	1	0	2	4	2	1	2	14	17	38	25	0	71.8
Logan.....	37	0	0	0	1	0	1	0	1	4	16	14	0	79.0

Table 41
 Deaths By Age-Group And Average Age At Death
 By County Of Residence
 Kansas, 2002

County of Residence	Total	Age-Group												Average Age At Death	
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	N.S.		
Lyon.....	290	2	0	2	7	3	6	21	19	37	90	102	1	75.2	
Marion.....	211	2	1	2	1	2	2	8	12	30	54	97	0	78.4	
Marshall.....	134	1	0	0	2	1	2	6	6	23	38	55	0	78.5	
McPherson.....	380	2	2	0	5	3	9	8	23	50	111	167	0	78.6	
Meade.....	48	0	0	0	0	1	1	1	2	6	16	21	0	80.0	
Miami.....	254	1	0	1	3	1	8	21	26	46	74	73	0	74.1	
Mitchell.....	91	0	0	0	0	0	0	3	5	9	17	57	0	83.3	
Montgomery....	487	7	2	0	1	1	19	23	48	66	141	179	0	75.8	
Morris.....	73	0	0	1	0	0	0	2	3	2	15	26	0	77.7	
Morton.....	32	0	2	0	0	0	0	0	1	5	5	10	9	0	72.5
Nemaha.....	136	0	0	1	0	0	0	4	4	13	38	76	0	83.4	
Neosho.....	193	2	0	0	1	0	8	10	16	25	62	69	0	76.7	
Ness.....	47	1	0	0	2	0	0	4	1	8	13	18	0	74.7	
Norton.....	64	0	0	0	0	0	1	1	5	9	20	28	0	81.8	
Osage.....	184	1	0	0	2	2	9	9	16	24	52	69	0	75.4	
Osborne.....	70	0	0	0	0	0	0	4	2	17	16	31	0	80.6	
Ottawa.....	77	0	0	0	2	0	2	5	5	11	26	26	0	76.3	
Pawnee.....	92	1	0	0	2	0	2	11	5	13	27	31	0	74.0	
Phillips.....	119	0	0	0	2	3	1	3	6	17	34	53	0	79.0	
Pottawatomie..	161	5	0	0	1	3	3	10	16	34	32	57	0	73.5	
Pratt.....	121	3	0	0	2	0	5	5	6	17	37	46	0	75.4	
Rawlins.....	34	0	0	0	0	0	0	1	5	7	6	15	0	78.3	
Reno.....	701	3	1	3	4	5	15	37	63	109	198	263	0	76.7	
Republic.....	103	0	0	0	0	0	1	5	11	15	30	41	0	78.8	
Rice.....	123	0	0	0	3	0	0	5	10	18	39	48	0	78.6	
Riley.....	326	4	1	0	5	5	8	14	26	38	93	132	0	76.5	
Rooks.....	72	0	0	0	1	2	1	3	4	9	22	30	0	78.4	
Rush.....	66	0	1	0	1	0	2	3	4	11	11	33	0	78.5	
Russell.....	94	1	0	0	0	0	1	3	5	14	34	36	0	79.2	
Saline.....	467	6	2	4	4	6	19	25	40	81	142	138	0	73.2	
Scott.....	64	2	0	0	0	0	0	3	6	12	17	24	0	76.2	
Sedgwick.....	3,847	76	21	13	77	53	161	298	379	603	1,152	1,014	0	70.9	
Seward.....	126	5	1	3	3	0	6	17	17	16	23	35	0	65.7	
Shawnee.....	1,702	18	0	2	16	18	66	126	168	319	464	504	1	73.6	
Sheridan.....	35	0	0	0	1	1	0	2	1	3	13	14	0	77.1	
Sherman.....	79	1	0	0	1	1	1	4	6	10	27	28	0	76.9	
Smith.....	60	0	0	0	2	0	1	3	4	8	15	27	0	78.5	
Stafford.....	81	0	0	0	1	2	1	1	5	7	21	43	0	80.8	
Stanton.....	21	0	1	0	2	0	1	0	4	3	4	6	0	68.0	
Stevens.....	38	0	0	0	0	0	1	1	7	7	7	15	0	76.5	
Sumner.....	270	1	0	0	7	3	8	16	19	36	86	94	0	75.2	
Thomas.....	78	0	0	0	2	2	1	7	1	11	25	29	0	76.2	
Trego.....	46	0	0	0	0	1	1	1	5	4	13	21	0	79.4	
Wabaunsee....	55	0	0	0	1	1	2	0	7	8	19	17	0	75.2	
Wallace.....	21	0	0	0	0	0	1	1	3	2	6	8	0	76.0	
Washington....	96	0	0	0	1	1	3	3	7	13	23	45	0	78.8	
Wichita.....	29	1	0	0	0	0	0	0	0	5	9	14	0	80.0	
Wilson.....	134	0	1	0	3	0	5	7	12	27	34	45	0	74.6	
Woodson.....	69	0	0	0	0	1	3	4	6	8	15	32	0	78.2	
Wyandotte....	1,588	28	3	7	35	33	87	138	191	298	439	329	0	68.7	

Table 42
 Deaths By Race/Hispanic Origin And Sex By Age-Group And Average Age At Death
 Kansas, 2002

Race and Sex	Total	Age-Group													Average Age At Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.		
All Races.....	24,968	282	62	68	356	292	811	1,493	2,180	3,839	7,248	8,335	2	74.4	
Male.....	11,841	151	36	40	259	213	500	922	1,293	2,149	3,548	2,728	2	70.3	
Female.....	13,127	131	26	28	97	79	311	571	887	1,690	3,700	5,607	0	78.0	
White.....	23,407	227	53	59	303	253	692	1,318	1,955	3,573	6,914	8,058	2	75.1	
Male.....	11,057	119	29	34	219	182	435	809	1,172	2,016	3,398	2,642	2	71.1	
Female.....	12,350	108	24	25	84	71	257	509	783	1,557	3,516	5,416	0	78.6	
Black.....	1,312	44	8	6	46	32	94	151	185	219	287	240	0	64.1	
Male.....	664	25	7	4	35	24	49	102	100	111	129	78	0	60.0	
Female.....	648	19	1	2	11	8	45	49	85	108	158	162	0	68.8	
Other.....	239	9	1	3	7	7	23	23	40	45	46	35	0	61.8	
Male.....	113	5	0	2	5	7	14	10	21	20	21	8	0	57.0	
Female.....	126	4	1	1	2	0	9	13	19	25	25	27	0	66.5	
Not Stated.....	10	2	0	0	0	0	2	1	0	2	1	2	0	53.0	
Male.....	7	2	0	0	0	0	2	1	0	2	0	0	0	38.3	
Female.....	3	0	0	0	0	0	0	0	0	0	1	2	0	87.0	
Hispanic Origin.....	461	40	6	9	33	26	28	55	35	74	93	61	1	55.8	
Male.....	262	19	4	4	31	17	21	38	16	41	41	29	1	52.3	
Female.....	199	21	2	5	2	9	7	17	19	33	52	32	0	60.3	

Residence data

Table 43
 Ten Leading Causes Of Death By Sex, Race And Hispanic Origin Of Decedent
 Kansas, 2002

Sex and Race	Total	Causes of Death										
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Chronic Lower Respiratory Diseases	Unintentional Injuries	Diabetes Mellitus	Alzheimer's Disease	Pneumonia and Influenza	Nephritis, Nephrotic Syndrome, Nephrosis	Atherosclerosis	All Other Causes
Total.....	24,968	6,640	5,345	1,840	1,366	1,125	763	752	690	512	340	5,595
Male.....	11,841	3,174	2,742	686	683	712	327	230	295	231	102	2,659
White.....	11,057	2,996	2,547	641	653	662	295	220	288	215	95	2,445
Black.....	664	142	164	38	27	39	30	10	7	13	7	187
Native American.....	75	24	17	4	3	7	2	0	0	2	0	16
Other.....	38	10	13	3	0	4	0	0	0	0	0	8
Not Stated.....	7	2	1	0	0	0	0	0	0	1	0	3
Hispanic Origin*....	262	42	34	16	4	46	12	3	5	3	0	97
Female.....	13,127	3,466	2,603	1,154	683	413	436	522	395	281	238	2,936
White.....	12,350	3,280	2,439	1,100	655	392	390	507	382	244	228	2,733
Black.....	648	159	129	44	21	19	43	14	11	35	7	166
Native American.....	71	15	16	6	5	2	3	0	2	1	1	20
Other.....	55	11	19	4	2	0	0	1	0	1	2	15
Not Stated.....	3	1	0	0	0	0	0	0	0	0	0	2
Hispanic Origin*....	199	32	31	16	2	14	18	3	5	5	2	71

* Hispanic origin can be of any race.

Residence data

Table 44
Selected Causes Of Death By Age-Group
And Average Age At Death
Kansas, 2002

Selected Causes of Death (ICD-10 Code)	Total	Age-Group											Average Age at Death	
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over		
All Causes.....	24,968	282	62	68	356	292	811	1,493	2,180	3,839	7,248	8,335	2	74.4
Selected Causes.....	20,421	81	43	51	322	244	637	1,250	1,860	3,264	5,981	6,687	1	n.a.
Tuberculosis (A16-A19).....	5	0	0	0	0	0	0	2	0	1	2	0	0	64.6
HIV/AIDS (B20-B24).....	37	0	0	0	1	7	17	10	2	0	0	0	0	41.9
Malignant Neoplasms (C00-C97).....	5,345	1	7	6	17	29	166	457	788	1,273	1,675	926	0	71.6
Diabetes mellitus (E10-E14).....	763	0	0	0	1	4	23	47	95	157	236	200	0	74.5
Alzheimer's Disease (G30).....	752	0	0	0	0	0	0	0	5	40	250	457	0	86.1
Hypertension and Hypertensive Renal Disease (I10,I12).....	191	0	0	0	0	0	0	1	11	17	49	113	0	84.5
Heart Disease (I00-I09,I11,I13,I20-I51).....	6,640	0	2	2	4	15	100	336	500	961	1,965	2,754	1	79.2
Cerebrovascular Disease (I60-I69).....	1,840	1	1	1	0	4	17	46	78	189	582	921	0	82.2
Atherosclerosis (I70).....	340	0	0	0	0	0	0	1	4	21	103	211	0	86.7
Pneumonia and Influenza (J10-J18).....	690	1	1	0	0	4	8	11	29	65	197	374	0	83.1
Chronic Lower Respiratory Diseases (J40-J47).....	1,366	0	0	1	1	4	14	33	133	311	538	331	0	76.6
Peptic Ulcer (K25-K28).....	45	0	0	0	0	0	1	0	6	5	17	16	0	78.6
Chronic Liver Disease and Cirrhosis (K70, K73-K74).....	182	0	1	0	0	1	26	42	49	27	24	12	0	59.9
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27).....	512	1	0	0	1	1	4	13	34	79	168	211	0	80.0
Congenital Anomalies (Q00-Q99).....	116	63	7	4	3	5	4	5	11	5	2	7	0	21.2
Unintentional Injuries (V01-X59, Y40-Y86, Y88).....	1,125	12	18	32	196	96	164	159	78	86	146	138	0	49.9
Suicide (X60-X84,Y87.0).....	346	0	0	3	62	45	72	70	34	21	25	14	0	45.2
Homicide (X85-Y09,Y87.1).....	126	2	6	2	36	29	21	17	3	6	2	2	0	33.7

Residence data

Table 45
Ten Leading Causes Of Death By Sex,
Number, Rate And Average Age At Death
Kansas, 2002

Leading Causes of Death (ICD-10 Code)	Number of Deaths			Cause-Specific Death Rate*			Average Age at Death		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Causes.....	24,968	11,841	13,127	919.3	881.1	956.7	74.4	70.3	78.0
Heart Disease (I00-I09, I11, I13, I20-I51).....	6,640	3,174	3,466	244.5	236.2	252.6	79.2	75.0	83.0
Malignant Neoplasms (C00-C97).....	5,345	2,742	2,603	196.8	204.0	189.7	71.6	71.1	72.1
Cerebrovascular Disease (I60-I69).....	1,840	686	1,154	67.7	51.0	84.1	82.2	78.8	84.1
Chronic Lower Respiratory Diseases (J40-J47).....	1,366	683	683	50.3	50.8	49.8	76.6	76.0	77.1
Unintentional Injuries (V01-X59, Y40-Y86, Y88).....	1,125	712	413	41.4	53.0	30.1	49.9	45.5	57.5
Diabetes mellitus (E10-E14).....	763	327	436	28.1	24.3	31.8	74.5	71.6	76.7
Alzheimer's Disease (G30).....	752	230	522	27.7	17.1	38.0	86.1	83.6	87.2
Pneumonia and Influenza (J10-J18).....	690	295	395	25.4	22.0	28.8	83.1	81.2	84.5
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27)....	512	231	281	18.9	17.2	20.5	80.0	78.1	81.6
Atherosclerosis (I70).....	340	102	238	12.5	7.6	17.3	86.7	83.5	88.1

*Rate per 100,000 population

Note: Rates are based on 2002 population estimates from the United States Bureau of the Census.

Residence data

Table 46
Death Rates* and Age-Adjusted Death Rates**
For Selected Leading Causes of Death
Kansas, 2002

Cause of Death (ICD-10 Code)	Number	Death Rate	Age-Adjusted Death Rate
All Causes.....	24,968	919.3	841.6
Heart Disease (I00-I09, I11, I13, I20-I51).....	6,640	244.5	219.2
Malignant Neoplasms (C00-C97).....	5,345	196.8	187.5
Cerebrovascular Disease (I60-I69).....	1,840	67.7	59.3
Chronic Lower Respiratory Diseases (J40-J47).....	1,366	50.3	46.9
Unintentional Injuries (V01-X59, Y40-Y86, Y88).....	1,125	41.4	40.0
Pneumonia and Influenza (J10-J18).....	690	25.4	22.1
Diabetes mellitus (E10-E14).....	763	28.1	26.2
Alzheimer's Disease (G30).....	752	27.7	23.5
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27).....	512	18.9	16.9
Atherosclerosis (I70).....	340	12.5	10.6
Suicide (X60-X84, Y87.0).....	346	12.7	12.6
Chronic Liver Disease and Cirrhosis (K70, K73-K74).....	182	6.7	6.6
Hypertension and Hypertensive Renal Disease (I10, I12).....	191	7.0	6.0
Homicide (X85-Y09, Y87.1).....	126	4.6	4.6
Congenital Anomalies (Q00-Q99).....	116	4.3	4.2
Certain Conditions Originating in the Perinatal Period (P00-P96).....	140	5.2	5.0

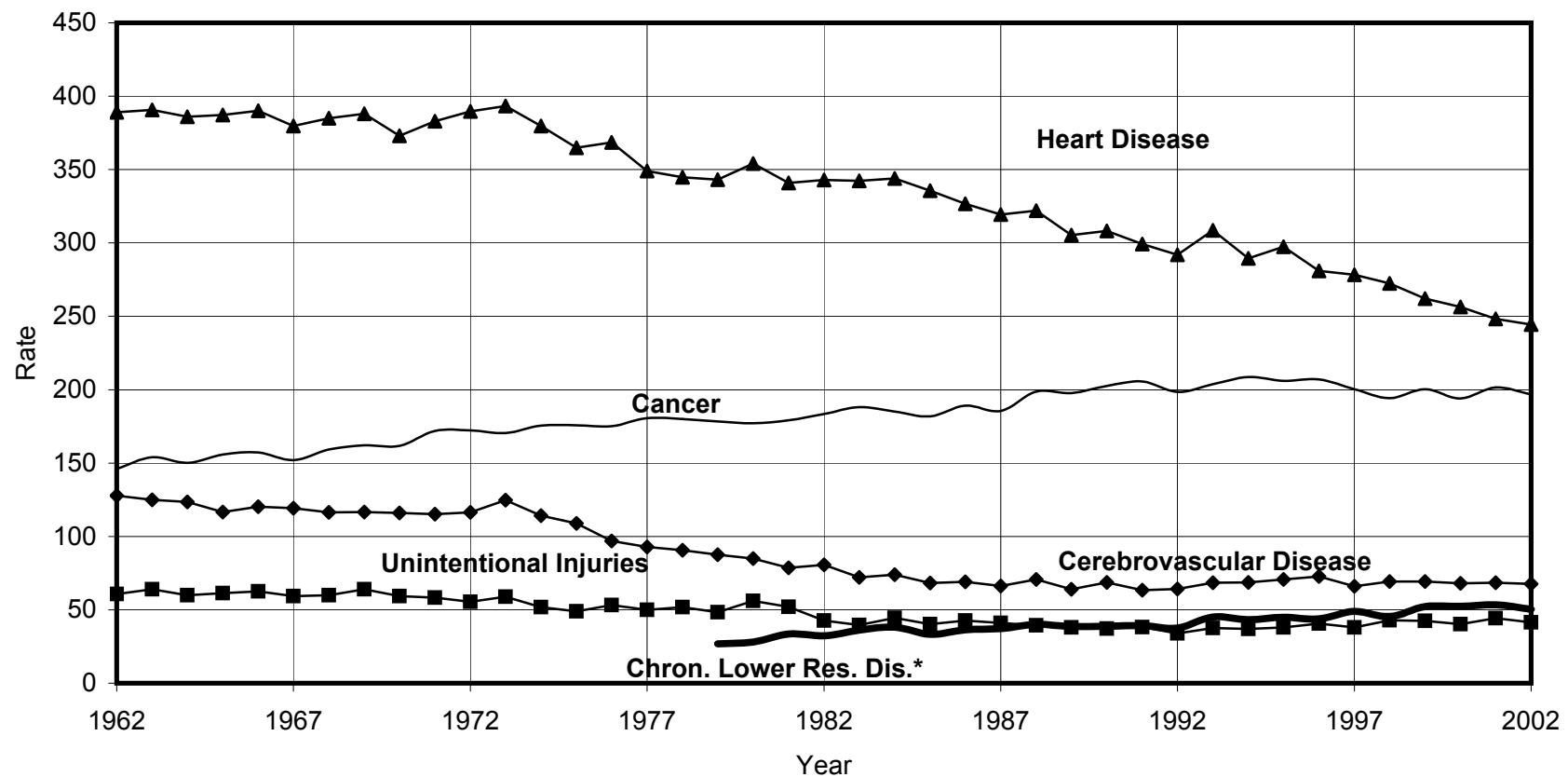
*Rate per 100,000 population

**Rate per 100,000 standard U.S. 2000 population (see Technical Notes)

Residence data

Death Rates for Selected Leading Causes of Death

Kansas, 1962-2002



*Formerly identified as Chronic Obstructive Pulmonary

Disease. Reporting began in 1979

Rate per 100,000 Population

Residence Data

Figure 33

Leading Causes of Death By Age-Group*

Kansas, 2002

ALL AGES	
CAUSE	NUMBER
HEART DISEASE	6,640
CANCER	5,345
CEREBROVASC. DIS.	1,840
CHRON. LOWER RESP. DIS.	1,366
UNINTENTIONAL INJURIES	1,125
OTHER CAUSES	8,652
TOTAL	24,968

UNDER 1 YEAR	
CAUSE	NUMBER
LENGTH GEST./FETAL GROWTH	65
CONGENITAL ANOMALIES	63
SIDS	46
MATERNAL FACTORS & COMPL.	21
RESPIRATORY DISORDERS	10
OTHER CAUSES	77
TOTAL	282

1-4 YEARS	
CAUSE	NUMBER
UNINTENTIONAL INJURIES	18
HOMICIDE	6
CONGENITAL ANOMALIES	7
CANCER	7
INFECT./PARASITIC DIS.	4
OTHER CAUSES	20
TOTAL	62

5-14 YEARS	
CAUSE	NUMBER
UNINTENTIONAL INJURIES	32
CANCER	6
CONGENITAL ANOMALIES	4
INFANTILE CEREBRAL PALSY	3
SUICIDE	3
OTHER CAUSES	20
TOTAL	68

15-24 YEARS	
CAUSE	NUMBER
UNINTENTIONAL INJURIES	196
SUICIDE	62
HOMICIDE	36
CANCER	17
HEART DISEASE	4
OTHER CAUSES	41
TOTAL	356

25-44 YEARS	
CAUSE	NUMBER
UNINTENTIONAL INJURIES	260
CANCER	195
SUICIDE	117
HEART DISEASE	115
HOMICIDE	50
OTHER CAUSES	366
TOTAL	1,103

45-64 YEARS	
CAUSE	NUMBER
CANCER	1,245
HEART DISEASE	836
UNINTENTIONAL INJURIES	237
DIABETES	142
CHRON. LOWER RESP. DIS.	166
OTHER CAUSES	1,047
TOTAL	3,673

65-84 YEARS	
CAUSE	NUMBER
CANCER	2,948
HEART DISEASE	2,926
CHRON. LOWER RESP. DIS.	849
CEREBROVASC. DIS.	771
DIABETES	393
OTHER CAUSES	3,200
TOTAL	11,087

85 YEARS AND OVER	
CAUSE	NUMBER
HEART DISEASE	2,754
CANCER	926
CEREBROVASC. DIS.	921
ALZHEIMER'S DISEASE	457
CHRON. LOWER RESP. DIS.	331
OTHER CAUSES	2,946
TOTAL	8,335

*Two ages at death unknown

Figure 34

Table 47
Heart Disease Deaths By Age-Group And Sex Of Decedent
Kansas, 2002

Causes of Death and Sex of Decedent (ICD Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Heart Disease (I00-I09, I11, I13, I20-I51).....	6,640	0	2	2	4	15	100	336	500	961	1,965	2,754	1
Male.....	3,174	0	2	0	1	10	66	248	347	600	1,022	877	1
Female.....	3,466	0	0	2	3	5	34	88	153	361	943	1,877	0
Acute Rheumatic Fever and Chronic Rheumatic Heart Disease (I00-I09).....	37	0	0	0	0	0	0	3	8	9	13	4	0
Male.....	5	0	0	0	0	0	0	0	1	3	0	1	0
Female.....	32	0	0	0	0	0	0	3	7	6	13	3	0
Hypertensive Heart Disease with or without Renal Disease (I11, I13).....	141	0	0	0	0	1	4	7	11	14	29	75	0
Male.....	55	0	0	0	0	1	2	5	8	6	12	21	0
Female.....	86	0	0	0	0	0	2	2	3	8	17	54	0
Ischemic Heart Disease (I20-I25).....	4,165	0	0	0	0	8	56	240	333	673	1308	1547	0
Male.....	2,184	0	0	0	0	6	42	185	241	448	719	543	0
Female.....	1,981	0	0	0	0	2	14	55	92	225	589	1,004	0
Pulmonary Heart Disease and Diseases of Pulmonary Circulation (I26-I28).....	189	0	0	0	0	0	8	18	30	40	58	35	0
Male.....	83	0	0	0	0	0	3	8	13	26	21	12	0
Female.....	106	0	0	0	0	0	5	10	17	14	37	23	0
Other Forms of Heart Disease (I30-I51).....	2,108	0	2	2	4	6	32	68	118	225	557	1093	1
Male.....	847	0	2	0	1	3	19	50	84	117	270	300	1
Female.....	1,261	0	0	2	3	3	13	18	34	108	287	793	0

Residence data

Table 48
Malignant Neoplasm Deaths
By Site Of Lesion, Age-Group And Sex Of Decedent
Kansas, 2002

Site of Lesion and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Malignant Neoplasms (All Sites)												
(C00-C97).....	5,345	1	7	6	17	29	166	457	788	1,273	1,675	926
Male.....	2,742	1	4	3	11	14	79	219	420	714	869	408
Female.....	2,603	0	3	3	6	15	87	238	368	559	806	518
Lip, Oral Cavity and Pharynx												
(C00-C14).....	63	0	0	0	0	0	4	6	16	10	19	8
Male.....	44	0	0	0	0	0	2	5	14	5	14	4
Female.....	19	0	0	0	0	0	2	1	2	5	5	4
Digestive Organs												
(C15-C26).....	1,208	0	1	0	1	7	36	94	149	282	398	240
Male.....	641	0	1	0	1	5	19	61	87	179	211	77
Female.....	567	0	0	0	0	2	17	33	62	103	187	163
Respiratory and Intrathoracic Organs												
(C30-C39).....	1,527	0	0	0	1	0	35	115	280	487	478	131
Male.....	888	0	0	0	1	0	23	68	169	282	270	75
Female.....	639	0	0	0	0	0	12	47	111	205	208	56
Bone and Articular Cartilage												
(C40-C41).....	13	0	0	0	1	2	1	2	1	1	2	3
Male.....	5	0	0	0	0	1	1	0	1	0	1	1
Female.....	8	0	0	0	1	1	0	2	0	1	1	2
Skin												
(C43-C44).....	94	0	0	0	0	2	4	17	15	11	23	22
Male.....	63	0	0	0	0	2	2	13	12	7	14	13
Female.....	31	0	0	0	0	0	2	4	3	4	9	9
Mesothelial and Soft Tissue												
(C45-C49).....	68	0	0	1	4	2	5	3	6	15	24	8
Male.....	43	0	0	1	4	2	4	1	3	9	15	4
Female.....	25	0	0	0	0	0	1	2	3	6	9	4
Breast												
(C50).....	425	0	0	0	0	2	26	71	75	77	90	84
Male.....	6	0	0	0	0	0	0	0	1	1	1	3
Female.....	419	0	0	0	0	2	26	71	74	76	89	81
Genital Organs												
(C51-C63).....	583	0	0	0	2	4	21	35	55	104	196	166
Male.....	318	0	0	0	1	0	5	3	19	54	119	117
Female.....	265	0	0	0	1	4	16	32	36	50	77	49
Urinary Tract												
(C64-C68).....	274	0	1	0	0	0	2	26	29	64	84	68
Male.....	179	0	0	0	0	0	2	20	20	45	54	38
Female.....	95	0	1	0	0	0	0	6	9	19	30	30
Eye and Adnexa												
(C69).....	3	0	0	0	0	0	1	0	1	1	0	0
Male.....	0	0	0	0	0	0	0	0	0	0	0	0
Female.....	3	0	0	0	0	0	1	0	1	1	0	0
Meninges, Brain and Other Parts of Central Nervous System												
(C70-C72).....	152	0	1	1	2	4	15	24	28	28	33	16
Male.....	84	0	0	0	1	1	10	16	18	12	18	8
Female.....	68	0	1	1	1	3	5	8	10	16	15	8
Thyroid and Other Endocrine Glands												
(C73-C75).....	19	0	0	1	0	0	0	1	3	2	8	4
Male.....	8	0	0	1	0	0	0	0	2	0	5	0
Female.....	11	0	0	0	0	0	0	1	1	2	3	4
Other and Unspecified Sites												
(C76-C80, C97).....	349	0	0	0	1	0	2	26	51	77	120	72
Male.....	167	0	0	0	1	0	1	14	27	43	50	31
Female.....	182	0	0	0	0	0	1	12	24	34	70	41
Leukemia												
(C91-C95).....	220	1	2	3	4	4	9	12	32	36	63	54
Male.....	121	1	1	1	2	3	7	7	19	27	33	20
Female.....	99	0	1	2	2	1	2	5	13	9	30	34
Other Lymphoid, Hematopoietic, and Related Tissue												
(C81-C90, C96).....	347	0	2	0	1	2	5	25	47	78	137	50
Male.....	175	0	2	0	0	0	3	11	28	50	64	17
Female.....	172	0	0	0	1	2	2	14	19	28	73	33

Residence data

Table 49
 Cerebrovascular Disease Deaths By Age-Group And Sex Of Decedent
 Kansas, 2002

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Cerebrovascular Disease (I60-I69).....	1,840	1	1	1	0	4	17	46	78	189	582	921
Male.....	686	1	1	0	0	2	8	27	47	106	240	254
Female.....	1,154	0	0	1	0	2	9	19	31	83	342	667
Subarachnoid Hemorrhage (I60).....	46	0	0	1	0	3	6	10	13	6	3	4
Male.....	15	0	0	0	0	1	2	4	4	3	1	0
Female.....	31	0	0	1	0	2	4	6	9	3	2	4
Intracerebral and Other Intracranial Hemorrhage (I61-I62).....	279	0	0	0	0	1	7	17	25	51	101	77
Male.....	123	0	0	0	0	1	5	8	16	24	44	25
Female.....	156	0	0	0	0	0	2	9	9	27	57	52
Cerebral Infarction (I63).....	124	0	0	0	0	0	0	3	6	14	38	63
Male.....	45	0	0	0	0	0	0	2	4	8	16	15
Female.....	79	0	0	0	0	0	0	1	2	6	22	48
Stroke, Not Specified as Hemorrhage or Infarction (I64).....	1,067	0	0	0	0	0	3	15	28	98	345	578
Male.....	393	0	0	0	0	0	1	12	21	57	138	164
Female.....	674	0	0	0	0	0	2	3	7	41	207	414
Other Cerebrovascular Diseases (I67, I69).....	324	1	1	0	0	0	1	1	6	20	95	199
Male.....	110	1	1	0	0	0	0	1	2	14	41	50
Female.....	214	0	0	0	0	0	1	0	4	6	54	149

Residence data

Table 50
Unintentional Injury Deaths By Age-Group And Sex Of Decedent
Kansas, 2002

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Unintentional Injuries												
(V01-X59, Y40-Y86, Y88).....	1,125	12	18	32	196	96	164	159	78	86	146	138
Male.....	712	8	13	19	146	79	107	100	58	55	83	44
Female.....	413	4	5	13	50	17	57	59	20	31	63	94
Motor-Vehicle												
(*).....	547	1	9	19	164	71	75	74	47	30	42	15
Male.....	371	1	5	9	115	56	48	48	38	18	28	5
Female.....	176	0	4	10	49	15	27	26	9	12	14	10
Water Transport												
(V90-V94).....	4	0	0	0	0	0	2	0	1	1	0	0
Male.....	4	0	0	0	0	0	2	0	1	1	0	0
Female.....	0	0	0	0	0	0	0	0	0	0	0	0
Air and Space Transport												
(V95-V97).....	3	0	0	0	0	0	0	0	2	0	1	0
Male.....	3	0	0	0	0	0	0	0	2	0	1	0
Female.....	0	0	0	0	0	0	0	0	0	0	0	0
Falls												
(W00-W19).....	170	0	0	0	2	0	10	6	10	21	55	66
Male.....	89	0	0	0	2	0	7	4	8	14	30	24
Female.....	81	0	0	0	0	0	3	2	2	7	25	42
Inanimate Mechanical Forces												
(W20-W49).....	42	1	2	0	7	2	8	8	6	4	4	0
Male.....	39	1	2	0	7	2	8	7	5	4	3	0
Female.....	3	0	0	0	0	0	0	1	1	0	1	0
Drowning and Submersion												
(W65-W74).....	23	2	3	1	9	2	3	3	0	0	0	0
Male.....	18	0	2	1	9	2	3	1	0	0	0	0
Female.....	5	2	1	0	0	0	0	2	0	0	0	0
Other Accidental Threats												
to Breathing												
(W75-W84).....	79	8	1	4	2	2	7	3	4	9	14	25
Male.....	44	6	1	4	2	2	4	1	3	6	6	9
Female.....	35	2	0	0	0	0	3	2	1	3	8	16
Electric Current, Radiation and Air Temperature/Pressure												
(W85-W99).....	9	0	0	0	3	1	3	2	0	0	0	0
Male.....	9	0	0	0	3	1	3	2	0	0	0	0
Female	0	0	0	0	0	0	0	0	0	0	0	0
Smoke, Fire and Flames												
(X00-X09).....	32	0	3	2	0	1	5	7	4	4	5	1
Male.....	21	0	3	2	0	1	3	4	1	3	4	0
Female.....	11	0	0	0	0	0	2	3	3	1	1	1
Forces of Nature												
(X30-X39).....	9	0	0	0	0	0	1	3	0	3	0	2
Male.....	5	0	0	0	0	0	0	3	0	2	0	0
Female.....	4	0	0	0	0	0	1	0	0	1	0	2
Poisonings												
(X40-X49).....	116	0	0	0	6	12	45	49	1	1	1	1
Male.....	71	0	0	0	6	10	25	29	0	1	0	0
Female.....	45	0	0	0	0	2	20	20	1	0	1	1
Other Unintentional Injuries												
(**).....	91	0	0	6	3	5	5	4	3	13	24	28
Male.....	38	0	0	3	2	5	4	1	0	6	11	6
Female.....	53	0	0	3	1	0	1	3	3	7	13	22

* V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

** V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V98-V99, W50-W64, X10-X29, X50-X59, Y40-Y86, Y88

Table 51
Selected Chronic Disease Deaths By Age-Group And Sex Of Decedent
Kansas, 2002

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Total.....	3,399	1	1	1	3	10	68	137	332	617	1,135	1,094
Male.....	1,555	1	0	1	1	5	46	87	193	298	536	387
Female.....	1,844	0	1	0	2	5	22	50	139	319	599	707
Diabetes mellitus (E10-E14).....	763	0	0	0	1	4	23	47	95	157	236	200
Male.....	327	0	0	0	0	1	17	26	53	72	97	61
Female.....	436	0	0	0	1	3	6	21	42	85	139	139
Hypertension and Hypertensive Renal Disease (I10, I12).....	191	0	0	0	0	0	0	1	11	17	49	113
Male.....	76	0	0	0	0	0	0	0	9	8	22	37
Female.....	115	0	0	0	0	0	0	1	2	9	27	76
Atherosclerosis (I70).....	340	0	0	0	0	0	0	1	4	21	103	211
Male.....	102	0	0	0	0	0	0	1	3	10	39	49
Female.....	238	0	0	0	0	0	0	0	1	11	64	162
Chronic Lower Respiratory Diseases (J40-J47).....	1,366	0	0	1	1	4	14	33	133	311	538	331
Male.....	683	0	0	1	1	2	9	17	70	152	280	151
Female.....	683	0	0	0	0	2	5	16	63	159	258	180
Peptic Ulcer (K25-K28).....	45	0	0	0	0	0	1	0	6	5	17	16
Male.....	23	0	0	0	0	0	1	0	6	5	7	4
Female.....	22	0	0	0	0	0	0	0	0	0	10	12
Chronic Liver Disease and Cirrhosis (K70, K73-K74).....	182	0	1	0	0	1	26	42	49	27	24	12
Male.....	113	0	0	0	0	1	16	32	37	14	8	5
Female.....	69	0	1	0	0	0	10	10	12	13	16	7
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27).....	512	1	0	0	1	1	4	13	34	79	168	211
Male.....	231	1	0	0	0	1	3	11	15	37	83	80
Female.....	281	0	0	0	1	0	1	2	19	42	85	131

Table 52
Occupation Of Decedent By
Selected Causes Of Death
Kansas, 2002

Occupation of Decedent	Total	Selected Causes of Death											
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Unintentional Injuries	Chronic Lower Respiratory Diseases	Suicide	Atherosclerosis	Chronic Liver Disease and Cirrhosis	Homicide	Peptic Ulcer	Hypertension	All Other Causes
Total.....	24,968	6,640	5,345	1,840	1,125	1,366	346	340	182	126	45	191	7,422
Housewives.....	5,717	1,677	939	546	138	309	19	106	21	6	13	54	1,889
Managerial and Professional Specialty.....	4,358	1,157	1,084	323	147	176	56	67	39	8	7	31	1,263
Technical, Sales and Administrative Support.....	4,359	1,139	1,049	336	149	257	43	70	32	17	9	29	1,229
Operators, Fabricators and Laborers.....	2,913	724	669	161	204	210	85	31	36	35	4	23	731
Farming, Forestry and Fishing.....	1,753	529	356	127	73	86	20	15	9	2	1	15	520
Precision Production, Craft and Repair.....	2,380	640	596	142	139	168	49	19	18	9	4	20	576
Service Workers.....	2,076	551	451	156	84	120	27	25	18	17	3	15	609
No Occupation.....	335	62	35	11	34	13	11	3	5	11	1	3	146
Students.....	188	4	15	1	106	1	24	0	0	8	0	0	29
Children Under 5 Years.....	345	3	8	2	30	0	0	0	1	8	0	0	293
Other and N.S.....	544	154	143	35	21	26	12	4	3	5	3	1	137

Residence data

Table 53
Type Of Industry Of Decedent's Occupation By Selected Causes Of Death
Kansas, 2002

Type of Industry	Total	Selected Causes of Death											
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Unintentional Injuries	Chronic Lower Respiratory Diseases	Suicide	Atherosclerosis	Chronic Liver Disease and Cirrhosis	Homicide	Peptic Ulcer	Hypertension	All Other Causes
Total.....	24,968	6,640	5,345	1,840	1,125	1,366	346	340	182	126	45	191	7,422
Professional Services.....	3,748	981	891	277	114	163	34	66	26	7	6	28	1,155
Agriculture, Forestry and Fisheries.....	1,799	538	367	129	75	89	20	15	9	2	1	15	539
Manufacturing.....	2,758	706	635	185	133	180	54	42	27	16	7	28	745
Retail Trade.....	2,391	641	530	180	101	132	30	32	19	18	1	21	686
Transportation, Communications and Public Utilities.....	1,832	508	450	117	86	112	27	17	18	6	4	12	475
Construction.....	1,487	370	377	80	130	112	53	9	16	11	3	9	317
Public Administration.....	1,034	271	255	69	30	68	17	13	5	3	2	3	298
Business and Repair Services.....	592	156	137	44	30	33	18	10	5	10	1	1	147
Personal Services.....	565	141	106	55	28	42	3	8	8	6	1	7	160
Finance, Insurance and Real Estate.....	768	201	227	54	32	32	8	12	7	5	1	3	186
Wholesale Trade.....	576	158	157	37	20	29	7	4	5	2	1	6	150
Mining.....	194	57	56	8	16	14	2	0	4	0	0	0	37
Entertainment and Recreation Services.....	50	11	15	2	1	2	1	0	2	0	0	0	16
Other and N.S.*.....	7,174	1,901	1,142	603	329	358	72	112	31	40	17	58	2,511

*This category includes housewives, military personnel, students, children and those who were never employed.
Residence data

Table 54
Selected Causes Of Death And Years Of Potential Life Lost (YPLL)
Before Life Expectancy*
Kansas, 2002

CAUSE OF DEATH (ICD-10)	Number of Deaths	Total Years Life Lost	Percent Years Lost By Cause	Rate** Years Lost By Cause
Total Deaths	24,968	198,887	100.0	73.2
Heart Disease (I00-I09, I11, I13, I20-I51)	6,640	29,203	14.7	10.8
Cancer (C00-C97)	5,345	44,266	22.3	16.3
Cerebrovascular Disease (I60-I69)	1,840	4,851	2.4	1.8
Chronic Lower Respiratory Dis. (J40-J47)	1,366	6,100	3.1	2.2
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	1,125	32,676	16.4	12.0
Diabetes (E10-E14)	763	5,042	2.5	1.9
Alzheimer's Disease (G30)	752	306	0.2	0.1
Pneumonia and Influenza (J10-J18)	690	1,843	0.9	0.7
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	512	1,797	0.9	0.7
Atherosclerosis (I70)	340	222	0.1	0.1
Suicide (X60-X84, Y87.0)	346	11,214	5.6	4.1
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	182	3,270	1.6	1.2
Homicide (X85-Y09, Y87.1)	126	5,488	2.8	2.0
All Other Causes	4,941	52,609	26.5	19.4
Male Deaths	11,841	108,321	100.0	80.6
Heart Disease (I00-I09, I11, I13, I20-I51)	3,174	16,798	15.5	12.5
Cancer (C00-C97)	2,742	19,301	17.8	14.4
Cerebrovascular Disease (I60-I69)	686	2,266	2.1	1.7
Chronic Lower Respiratory Dis. (J40-J47)	683	2,605	2.4	1.9
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	712	21,659	20.0	16.1
Pneumonia and Influenza (J10-J18)	295	826	0.8	0.6
Diabetes (E10-E14)	327	2,326	2.1	1.7
Alzheimer's Disease (G30)	230	80	0.1	0.1
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	231	858	0.8	0.6
Atherosclerosis (I70)	102	109	0.1	0.1
Suicide (X60-X84, Y87.0)	286	8,637	8.0	6.4
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	113	2,010	1.8	1.5
Homicide (X85-Y09, Y87.1)	88	3,654	3.4	2.7
All Other Causes	2,172	27,192	25.1	20.2
Female Deaths	13,127	94,336	100.0	68.8
Heart Disease (I00-I09, I11, I13, I20-I51)	3,466	12,940	13.7	9.4
Cancer (C00-C97)	2,603	26,226	27.8	19.1
Cerebrovascular Disease (I60-I69)	1,154	3,240	3.4	2.4
Chronic Lower Respiratory Dis. (J40-J47)	683	4,047	4.3	2.9
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	413	10,314	10.9	7.5
Pneumonia and Influenza (J10-J18)	395	1,196	1.3	0.9
Diabetes (E10-E14)	436	2,993	3.2	2.2
Alzheimer's Disease (G30)	522	561	0.6	0.4
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	281	1,120	1.2	0.8
Atherosclerosis (I70)	238	255	0.3	0.2
Suicide (X60-X84, Y87.0)	60	2,079	2.2	1.5
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	69	1,158	1.2	0.8
Homicide (X85-Y09, Y87.1)	38	1,703	1.8	1.2
All Other Causes	2,769	26,504	28.1	19.3

*Average remaining lifetime values compiled by the KDHE Center for Health and Environmental Statistics.

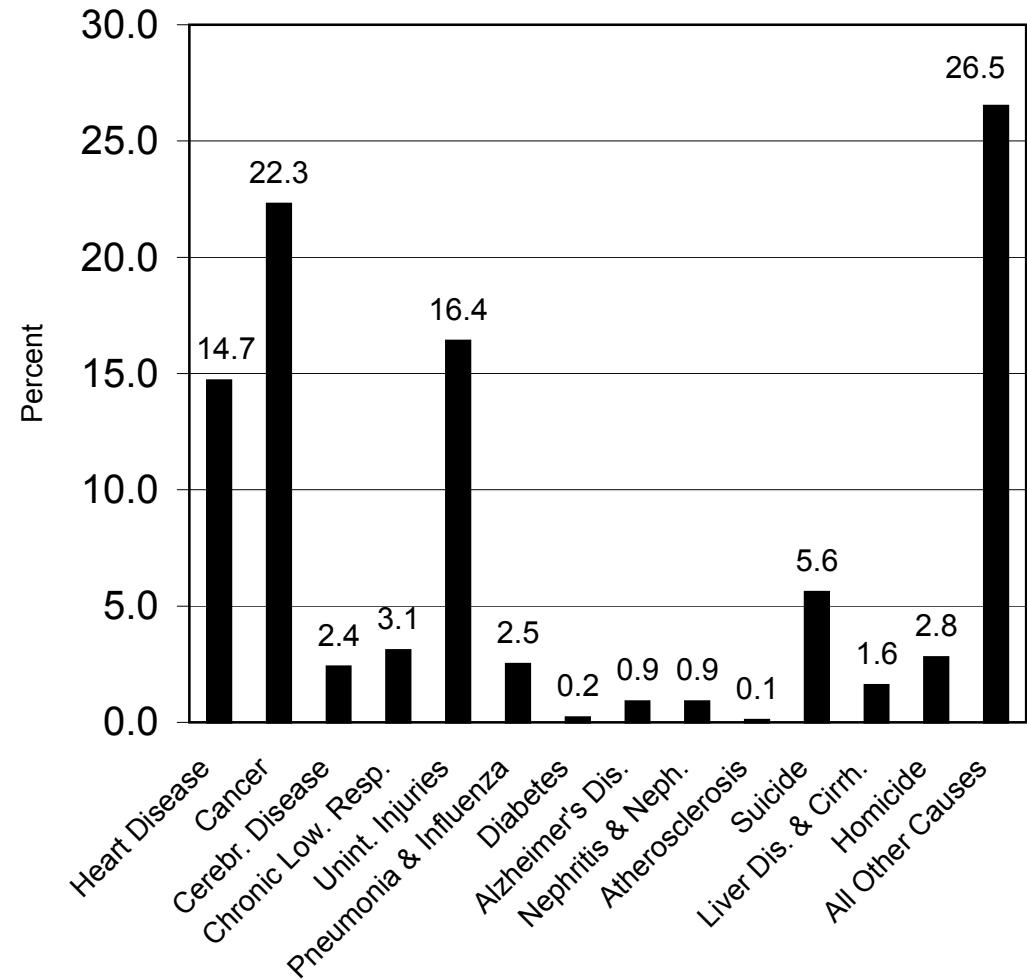
Total YPLL for Male and Female deaths will not add to the Total due to the different life expectancies used to calculate YPLL for males and females.

**Rate per 1,000 population

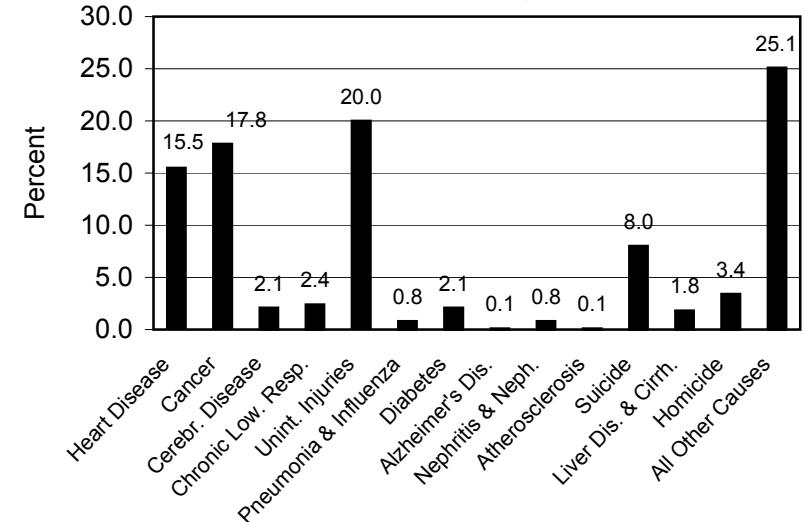
Residence data

Percent Years of Potential Life Lost

By Selected Causes of Death Kansas, 2002



By Selected Causes of Death
Kansas Males, 2002



By Selected Causes of Death
Kansas Females, 2002

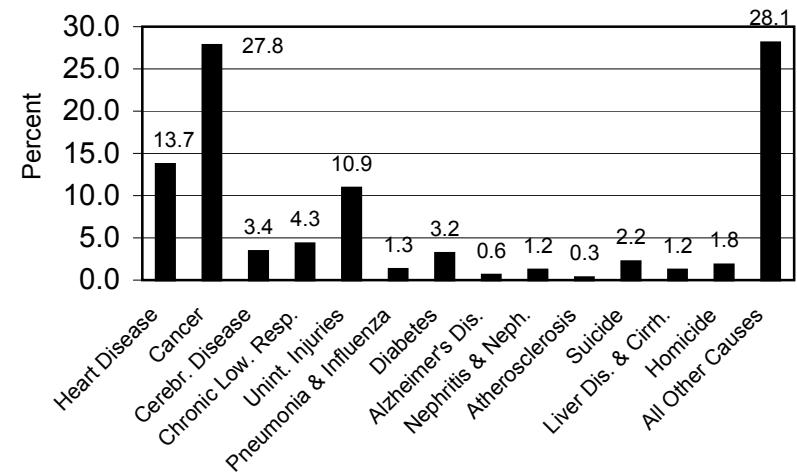


Figure 35

Table 55
Selected Causes Of Death By County Of Residence
Kansas, 2002

County of Residence	All Causes	Selected Causes of Death (ICD-10)								
		Tuber-culosis (A16-A19)	Residual Infect. & Para-sitic Dis. (A00-A15, A20-B99)	All Malignant Neoplasms (C00-C97)	Malignant Neoplasms of Digestive Organs (C15-C26)	Malignant Neoplasms of Respiratory and Intrathoracic Organs (C30-C39)	Malignant Neoplasm of Breast (C50)	Malignant Neoplasms of Genital Organs (C51-C63)	Malignant Neoplasms of Urinary Tract (C64-C68)	
Kansas.....	24,968	5	465	5,345	1,208	1,527	425	583	274	
Allen.....	168	0	2	35	3	8	3	6	2	
Anderson.....	109	0	5	25	8	8	1	2	1	
Atchison.....	208	0	5	42	6	17	2	3	4	
Barber.....	77	0	0	23	4	7	1	1	2	
Barton.....	294	0	1	54	20	12	0	4	3	
Bourbon.....	225	0	4	47	12	12	1	6	4	
Brown.....	149	0	0	24	4	8	2	5	0	
Butler.....	529	0	9	102	19	30	6	14	5	
Chase.....	41	0	2	11	4	4	0	0	0	
Chautauqua.....	87	0	1	26	5	4	2	5	1	
Cherokee.....	258	0	5	52	11	22	3	4	2	
Cheyenne.....	40	0	1	8	1	1	2	3	0	
Clark.....	38	0	0	5	0	3	1	0	1	
Clay.....	126	0	3	26	3	8	4	2	0	
Cloud.....	160	0	2	26	5	7	2	3	2	
Coffey.....	110	0	3	19	2	5	0	1	1	
Comanche.....	47	0	0	14	3	4	0	2	1	
Cowley.....	441	0	9	94	22	28	7	10	4	
Crawford.....	439	0	9	90	24	19	7	12	3	
Decatur.....	56	0	0	14	3	6	1	0	0	
Dickinson.....	287	0	3	50	6	16	3	8	3	
Doniphan.....	70	0	3	19	3	8	1	0	3	
Douglas.....	560	0	8	128	25	41	16	16	5	
Edwards.....	48	0	2	12	4	4	0	2	0	
Elk.....	51	0	0	13	2	4	1	2	0	
Ellis.....	263	0	6	53	9	16	3	10	5	
Ellsworth.....	94	0	2	21	11	4	1	1	0	
Finney.....	211	0	5	42	10	14	4	5	1	
Ford.....	282	0	2	62	10	22	6	5	6	
Franklin.....	238	0	5	56	14	15	5	9	2	
Geary.....	209	0	5	47	12	15	5	4	1	
Gove.....	38	0	3	6	1	2	0	2	0	
Graham.....	42	0	0	12	2	4	2	2	1	
Grant.....	52	0	1	11	2	6	0	1	0	
Gray.....	70	0	2	14	5	1	1	3	1	
Greeley.....	22	0	1	3	2	0	0	0	0	
Greenwood.....	136	0	5	23	4	7	2	4	1	
Hamilton.....	31	0	0	6	2	1	0	1	1	
Harper.....	106	0	3	24	6	10	2	3	1	
Harvey.....	347	0	6	89	22	22	5	8	7	
Haskell.....	27	0	0	5	1	2	1	0	0	
Hodgeman.....	31	0	0	4	3	0	0	0	1	
Jackson.....	131	0	1	32	4	9	7	4	1	
Jefferson.....	165	0	1	47	12	17	0	6	2	
Jewell.....	51	0	0	14	4	6	1	0	0	
Johnson.....	2,861	1	61	660	146	173	64	68	31	
Kearny.....	51	0	2	12	3	1	3	2	2	
Kingman.....	122	0	1	28	10	4	2	4	1	
Kiowa.....	25	0	0	6	3	1	1	0	0	
Labette.....	302	0	3	57	16	16	2	3	2	
Lane.....	39	0	0	10	3	3	0	0	1	
Leavenworth.....	524	0	5	114	30	26	6	11	10	
Lincoln.....	48	0	1	8	3	3	1	0	0	
Linn.....	106	0	0	20	4	8	2	3	0	
Logan.....	37	0	2	5	1	2	0	0	0	

Table 55
Selected Causes Of Death By County Of Residence
Kansas, 2002

County of Residence	All Causes	Selected Causes of Death (ICD-10)								
		Tuber-culosis (A16-A19)	Residual Infect. & Para-sitic Dis. (A00-A15, A20-B99)	All Malignant Neoplasms (C00-C97)	Malignant Neoplasms of Digestive Organs (C15-C26)	Malignant Neoplasms of Respiratory and Intrathoracic Organs (C30-C39)	Malignant Neoplasm of Breast (C50)	Malignant Neoplasms of Genital Organs (C51-C63)	Malignant Neoplasms of Urinary Tract (C64-C68)	
Lyon.....	290	0	2	54	12	21	2	4	1	
Marion.....	211	1	1	40	8	11	3	7	3	
Marshall.....	134	0	2	34	6	9	1	2	2	
McPherson.....	380	0	7	77	19	12	7	13	3	
Meade.....	48	0	0	12	4	3	1	0	0	
Miami.....	254	0	9	61	16	14	5	5	6	
Mitchell.....	91	0	1	15	3	5	2	2	0	
Montgomery.....	487	0	11	107	24	30	6	17	1	
Morris.....	73	0	1	17	2	3	0	4	1	
Morton.....	32	0	0	11	1	0	1	3	2	
Nemaha.....	136	0	0	22	4	5	3	3	3	
Neosho.....	193	0	6	39	9	12	1	4	1	
Ness.....	47	0	1	12	1	2	1	2	2	
Norton.....	64	0	0	14	2	5	0	2	1	
Osage.....	184	0	1	42	3	14	4	5	5	
Osborne.....	70	0	0	18	8	4	2	1	0	
Ottawa.....	77	0	2	22	4	7	0	2	1	
Pawnee.....	92	0	4	18	4	3	3	2	1	
Phillips.....	119	0	3	18	5	8	1	1	1	
Pottawatomie.....	161	0	3	34	11	7	2	4	2	
Pratt.....	121	0	3	20	4	7	2	2	1	
Rawlins.....	34	0	1	8	2	0	2	1	1	
Reno.....	701	0	8	139	36	37	7	18	10	
Republic.....	103	0	1	20	6	5	2	4	1	
Rice.....	123	0	2	29	7	12	2	2	0	
Riley.....	326	0	2	73	18	15	7	12	4	
Rooks.....	72	0	0	13	3	5	0	2	0	
Rush.....	66	0	1	14	5	5	0	0	1	
Russell.....	94	0	2	20	1	11	1	1	1	
Saline.....	467	0	3	82	12	23	10	10	4	
Scott.....	64	0	0	16	5	4	1	1	1	
Sedgwick.....	3,847	1	93	836	196	238	79	74	37	
Seward.....	126	0	2	23	4	4	5	1	1	
Shawnee.....	1,702	0	25	372	81	116	32	37	20	
Sheridan.....	35	0	3	5	2	1	0	0	1	
Sherman.....	79	0	2	10	2	5	0	2	1	
Smith.....	60	0	1	11	3	4	0	1	0	
Stafford.....	81	0	0	14	5	2	0	1	1	
Stanton.....	21	0	0	4	1	0	1	0	0	
Stevens.....	38	0	2	11	3	2	0	1	1	
Sumner.....	270	0	2	66	16	22	5	6	3	
Thomas.....	78	0	2	15	2	5	2	2	0	
Trego.....	46	0	0	10	0	1	0	4	2	
Wabaunsee.....	55	1	0	17	4	4	3	1	0	
Wallace.....	21	0	1	5	1	0	1	0	1	
Washington.....	96	0	3	23	6	5	0	3	1	
Wichita.....	29	0	0	6	0	3	0	2	0	
Wilson.....	134	0	4	22	3	11	2	2	2	
Woodson.....	69	0	2	11	3	4	0	0	0	
Wyandotte.....	1,588	1	46	333	77	105	24	40	18	

Table 55
Selected Causes Of Death By County Of Residence
Kansas, 2002

County of Residence	Selected Causes of Death (ICD-10)									
	Leukemia (C91-C95)	Other Malignant Neoplasms (C00-C14, C40-C49, C69-C90, C96-C97)	Diabetes mellitus (E10-E14)	Alzheimer's Disease (G30)	Major Cardio-vascular Diseases (I00-I78)	Diseases of Heart (I00-I09, I11, I13, I20-I51)	Rheumatic Fever and Rheumatic Heart Diseases (I00-I09)	Hypertensive Heart Disease w, w/out Renal Disease (I11, I13)	Ischemic Heart Diseases (I20-I25)	Other Heart Diseases (I26-I51)
Kansas.....	220	1,108	763	752	9,271	6,640	37	141	4,165	2,297
Allen.....	4	9	6	3	65	53	0	1	34	18
Anderson.....	3	2	3	3	38	29	0	0	23	6
Atchison.....	1	9	6	7	73	54	0	1	31	22
Barber.....	2	6	0	2	22	15	0	0	14	1
Barton.....	4	11	12	8	116	86	1	1	48	36
Bourbon.....	5	7	2	6	91	70	1	0	42	27
Brown.....	0	5	4	4	62	45	0	2	21	22
Butler.....	1	27	18	12	208	136	1	4	78	53
Chase.....	1	2	1	1	12	10	0	0	7	3
Chautauqua.....	4	5	0	3	35	24	0	0	19	5
Cherokee.....	1	9	5	3	111	86	0	3	66	17
Cheyenne.....	0	1	1	3	10	9	0	0	8	1
Clark.....	0	0	2	3	18	10	0	0	7	3
Clay.....	2	7	6	3	40	29	0	0	16	13
Cloud.....	2	5	6	0	74	52	0	1	28	23
Coffey.....	3	7	1	3	48	31	0	0	18	13
Comanche.....	1	3	1	3	11	11	0	0	5	6
Cowley.....	4	19	14	12	151	115	0	1	63	51
Crawford.....	4	21	13	14	194	155	1	0	117	37
Decatur.....	0	4	5	1	19	17	0	0	12	5
Dickinson.....	2	12	4	11	125	85	2	3	56	24
Doniphan.....	0	4	1	0	26	19	0	1	12	6
Douglas.....	3	22	30	20	193	132	0	3	76	53
Edwards.....	0	2	2	2	16	12	0	0	6	6
Elk.....	0	4	0	6	17	11	0	0	8	3
Ellis.....	3	7	8	11	99	71	0	0	46	25
Ellsworth.....	1	3	2	0	29	24	0	1	17	6
Finney.....	0	8	10	3	61	52	0	1	38	13
Ford.....	2	11	7	9	99	67	0	3	49	15
Franklin.....	1	10	8	4	90	62	0	1	39	22
Geary.....	0	10	8	9	75	50	1	1	30	18
Gove.....	1	0	1	1	14	13	0	0	7	6
Graham.....	0	1	0	0	17	11	0	1	8	2
Grant.....	0	2	2	0	21	19	0	1	12	6
Gray.....	2	1	2	5	21	16	0	0	10	6
Greeley.....	1	0	2	1	4	4	0	0	4	0
Greenwood.....	1	4	4	4	56	45	0	0	32	13
Hamilton.....	1	0	2	2	13	10	0	0	8	2
Harper.....	0	2	1	3	46	37	1	1	23	12
Harvey.....	4	21	10	8	134	94	0	1	56	37
Haskell.....	0	1	2	0	9	5	0	1	4	0
Hodgeman.....	0	0	0	1	9	7	0	0	1	6
Jackson.....	0	7	5	5	51	36	0	2	16	18
Jefferson.....	1	9	4	3	55	44	0	1	28	15
Jewell.....	1	2	2	0	19	14	0	0	8	6
Johnson.....	26	152	69	108	1124	647	6	15	397	229
Kearny.....	0	1	4	2	18	15	0	1	12	2
Kingman.....	0	7	8	2	54	40	1	1	28	10
Kiowa.....	0	1	2	4	7	6	0	0	4	2
Labette.....	3	15	5	9	133	100	0	2	70	28
Lane.....	1	2	1	1	15	10	0	0	6	4
Leavenworth.....	5	26	14	21	185	156	1	4	108	43
Lincoln.....	0	1	0	1	25	25	0	0	23	2
Linn.....	1	2	5	3	46	35	0	0	22	13
Logan.....	1	1	1	1	16	13	0	0	11	2

Table 55
Selected Causes Of Death By County Of Residence
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County of Residence	Selected Causes of Death (ICD-10)									
	Leukemia (C91-C95)	Other Malignant Neoplasms (C00-C14, C40-C49, C69-C90, C96-C97)	Diabetes mellitus (E10-E14)	Alzheimer's Disease (G30)	Major Cardio-vascular Diseases (I00-I78)	Diseases of Heart (I00-I09, I11, I13, I20-I51)	Rheumatic Fever and Rheumatic Heart Diseases (I00-I09)	Hypertensive Heart Disease w, w/out Renal Disease (I11, I13)	Ischemic Heart Diseases (I20-I25)	Other Heart Diseases (I26-I51)
Lyon.....	3	11	11	13	105	80	1	0	41	38
Marion.....	0	8	2	6	80	60	0	1	33	26
Marshall.....	1	13	2	1	53	42	0	0	24	18
McPherson.....	3	20	11	17	159	106	0	0	79	27
Meade.....	2	2	4	2	22	20	0	0	14	6
Miami.....	2	13	2	8	86	69	1	0	54	14
Mitchell.....	0	3	5	1	37	23	0	2	15	6
Montgomery.....	4	25	21	17	174	123	0	3	89	31
Morris.....	0	7	3	2	31	24	0	1	14	9
Morton.....	0	4	2	0	9	5	0	0	4	1
Nemaha.....	2	2	5	16	50	34	0	2	18	14
Neosho.....	3	9	7	7	69	47	0	0	30	17
Ness.....	2	2	1	0	21	18	0	0	12	6
Norton.....	0	4	2	6	24	19	0	1	10	8
Osage.....	1	10	4	2	76	56	0	0	38	18
Osborne.....	0	3	5	0	34	29	0	0	25	4
Ottawa.....	2	6	2	2	26	16	0	0	14	2
Pawnee.....	2	3	8	5	25	17	0	0	11	6
Phillips.....	0	2	4	5	50	34	0	1	22	11
Pottawatomie.....	1	7	3	5	57	36	0	1	23	12
Pratt.....	1	3	2	4	40	33	0	0	17	16
Rawlins.....	0	2	7	0	10	6	0	0	6	0
Reno.....	3	28	16	35	251	186	1	0	106	79
Republic.....	0	2	5	2	33	27	0	1	13	13
Rice.....	0	6	7	3	44	32	0	0	19	13
Riley.....	2	15	7	6	118	88	1	2	60	25
Rooks.....	1	2	1	2	30	22	0	2	14	6
Rush.....	0	3	1	1	26	20	0	0	18	2
Russell.....	1	4	4	1	40	32	1	1	27	3
Saline.....	5	18	20	14	182	125	2	1	91	31
Scott.....	0	4	1	8	23	16	0	0	9	7
Sedgwick.....	34	178	114	83	1327	1003	3	29	572	399
Seward.....	2	6	9	2	43	29	1	2	18	8
Shawnee.....	20	66	45	44	639	480	3	20	301	156
Sheridan.....	0	1	1	2	9	6	0	0	4	2
Sherman.....	0	0	3	4	28	23	0	0	18	5
Smith.....	1	2	0	0	17	12	1	1	5	5
Stafford.....	0	5	4	1	38	28	0	1	19	8
Stanton.....	0	2	0	0	11	9	0	0	4	5
Stevens.....	0	4	2	1	11	8	0	0	5	3
Sumner.....	4	10	14	6	101	56	0	0	45	11
Thomas.....	0	4	2	5	30	23	1	0	9	13
Trego.....	1	2	1	1	23	19	0	3	6	10
Wabaunsee.....	0	5	2	3	16	10	0	0	7	3
Wallace.....	1	1	2	0	8	6	0	0	6	0
Washington.....	1	7	0	6	34	27	0	1	19	7
Wichita.....	1	0	0	0	8	5	0	0	4	1
Wilson.....	1	1	7	1	52	38	0	0	29	9
Woodson.....	0	4	0	3	29	23	1	2	12	8
Wyandotte.....	10	59	50	45	542	366	4	4	200	158

Table 55
Selected Causes Of Death By County Of Residence
Kansas, 2002

County of Residence	Selected Causes of Death (ICD-10)								
	Hypertension and Hypertensive Renal Disease (I10, I12)	Cerebro-vascular Diseases (I60-I69)	Athero-sclerosis (I70)	Other Diseases of Arteries, Arterioles and Capillaries (I71-I78)	Pneumonia and Influenza (J10-J18)	Chronic Lower Respiratory Diseases (J40-J47)	Peptic Ulcer (K25-K28)	Chronic Liver Disease and Cirrhosis (K70, K73-K74)	Nephritis, Nephrotic Syndr. and Nephrosis (N00-N07, N17-N19, N25-N27)
Kansas.....	191	1,840	340	260	690	1,366	45	182	512
Allen.....	0	11	1	0	7	12	1	1	2
Anderson.....	1	7	0	1	4	5	0	2	4
Atchison.....	1	15	1	2	7	14	1	1	5
Barber.....	1	5	0	1	3	5	0	0	5
Barton.....	2	22	2	4	14	19	0	1	4
Bourbon.....	0	20	0	1	6	14	0	2	4
Brown.....	0	16	0	1	3	2	0	2	2
Butler.....	3	56	10	3	19	32	2	7	4
Chase.....	0	1	0	1	2	2	0	0	1
Chautauqua.....	0	9	0	2	1	9	0	0	3
Cherokee.....	2	23	0	0	12	28	1	2	2
Cheyenne.....	0	1	0	0	2	3	0	0	0
Clark.....	0	8	0	0	1	2	0	0	1
Clay.....	2	8	0	1	5	6	1	0	2
Cloud.....	3	18	0	1	5	6	0	0	3
Coffey.....	1	13	0	3	1	6	0	1	6
Comanche.....	0	0	0	0	1	4	0	0	0
Cowley.....	5	22	2	7	12	34	1	3	7
Crawford.....	0	31	5	3	14	20	0	4	9
Decatur.....	0	1	0	1	0	1	0	0	1
Dickinson.....	4	34	0	2	13	14	0	2	4
Doniphan.....	0	6	0	1	3	3	0	0	0
Douglas.....	8	37	6	10	6	29	2	2	7
Edwards.....	0	4	0	0	0	0	0	0	0
Elk.....	0	6	0	0	1	7	1	0	1
Ellis.....	4	18	2	4	9	18	0	3	8
Ellsworth.....	0	4	0	1	11	6	0	2	1
Finney.....	1	6	0	2	7	6	2	1	2
Ford.....	2	26	1	3	12	19	2	3	5
Franklin.....	1	21	1	5	4	19	0	1	4
Geary.....	2	19	2	2	6	7	0	1	5
Gove.....	0	1	0	0	1	1	0	0	1
Graham.....	1	2	1	2	2	1	0	0	0
Grant.....	0	1	0	1	0	0	0	0	0
Gray.....	0	4	0	1	2	5	0	0	1
Greeley.....	0	0	0	0	1	2	0	0	0
Greenwood.....	0	9	1	1	9	10	0	1	4
Hamilton.....	0	2	0	1	2	2	0	0	0
Harper.....	2	5	1	1	3	7	0	0	0
Harvey.....	4	31	1	4	11	9	1	1	8
Haskell.....	2	1	0	1	1	3	0	1	1
Hodgeman.....	0	2	0	0	1	1	0	0	1
Jackson.....	0	12	2	1	3	6	1	0	3
Jefferson.....	0	8	0	3	2	7	0	0	4
Jewell.....	0	4	1	0	2	1	0	0	3
Johnson.....	29	237	178	33	56	139	4	15	52
Kearny.....	0	3	0	0	0	2	0	0	1
Kingman.....	0	12	0	2	2	4	0	0	4
Kiowa.....	0	1	0	0	0	2	1	0	0
Labette.....	4	20	7	2	13	14	1	1	7
Lane.....	0	3	1	1	0	2	0	0	1
Leavenworth.....	4	19	2	4	21	30	0	4	19
Lincoln.....	0	0	0	0	2	4	0	0	2
Linn.....	0	9	1	1	2	5	0	1	2
Logan.....	1	2	0	0	1	3	0	0	1

Table 55
Selected Causes Of Death By County Of Residence
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County of Residence	Selected Causes of Death (ICD-10)								
	Hypertension and Hypertensive Renal Disease (I10, I12)	Cerebro-vascular Diseases (I60-I69)	Athero-sclerosis (I70)	Other Diseases of Arteries, Arterioles and Capillaries (I71-I78)	Pneumonia and Influenza (J10-J18)	Chronic Lower Respiratory Diseases (J40-J47)	Peptic Ulcer (K25-K28)	Chronic Liver Disease and Cirrhosis (K70, K73-K74)	Nephritis, Nephrotic Syndr. and Nephrosis (N00-N07, N17-N19, N25-N27)
Lyon.....	1	21	0	3	17	16	0	1	6
Marion.....	2	17	0	1	5	7	0	0	3
Marshall.....	0	10	0	1	4	4	1	0	0
McPherson.....	1	46	0	6	10	13	2	1	5
Meade.....	0	0	2	0	1	1	0	0	1
Miami.....	2	12	2	1	4	11	0	4	1
Mitchell.....	0	9	3	2	3	4	0	0	3
Montgomery.....	5	34	6	6	13	22	1	3	11
Morris.....	1	3	0	3	0	3	1	0	1
Morton.....	1	2	1	0	0	3	0	0	1
Nemaha.....	2	13	1	0	9	3	0	1	1
Neosho.....	3	18	0	1	8	10	1	1	5
Ness.....	0	2	1	0	0	3	0	2	1
Norton.....	0	5	0	0	1	1	0	0	0
Osage.....	1	18	0	1	4	12	0	1	4
Osborne.....	1	4	0	0	0	2	0	1	2
Ottawa.....	0	9	0	1	2	3	1	1	0
Pawnee.....	2	6	0	0	6	3	0	1	1
Phillips.....	2	12	1	1	3	2	0	1	1
Pottawatomie.....	0	17	2	2	6	6	0	2	3
Pratt.....	2	4	0	1	5	3	0	1	3
Rawlins.....	1	1	1	1	1	0	0	0	1
Reno.....	3	52	2	8	20	56	0	3	20
Republic.....	0	5	0	1	8	5	0	0	2
Rice.....	0	9	1	2	3	9	0	1	4
Riley.....	3	20	1	6	17	26	2	4	3
Rooks.....	0	5	1	2	4	4	0	0	2
Rush.....	1	4	1	0	3	7	0	1	0
Russell.....	0	6	0	2	2	6	0	0	4
Saline.....	4	41	4	8	13	35	1	3	3
Scott.....	0	5	0	2	1	8	0	0	0
Sedgwick.....	31	244	18	31	87	243	7	34	84
Seward.....	1	10	0	3	6	8	0	2	2
Shawnee.....	8	116	14	21	38	92	3	22	31
Sheridan.....	0	3	0	0	1	3	1	1	0
Sherman.....	0	3	0	2	6	6	0	1	2
Smith.....	0	3	1	1	4	3	0	1	0
Stafford.....	1	7	2	0	3	1	0	0	4
Stanton.....	0	2	0	0	0	1	0	0	0
Stevens.....	0	2	0	1	3	0	0	0	0
Sumner.....	0	36	8	1	6	10	0	3	11
Thomas.....	0	6	0	1	2	4	1	0	4
Trego.....	0	3	0	1	0	3	0	0	0
Wabaunsee.....	0	3	0	3	1	3	0	0	1
Wallace.....	0	2	0	0	0	1	0	0	1
Washington.....	0	6	0	1	2	2	0	0	0
Wichita.....	0	3	0	0	4	2	0	0	0
Wilson.....	1	12	0	1	3	7	0	2	2
Woodson.....	0	5	1	0	0	5	0	0	4
Wyandotte.....	21	108	37	10	23	72	1	18	57

Table 55
Selected Causes Of Death By County Of Residence
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County of Residence	Selected Causes of Death (ICD-10)								
	Pregnancy, Childbirth and the Puerperium (O00-O99)	Congenital Anomalies (Q00-Q99)	Cert. Cond. Originating in the Perinatal Period (P00-P96)	Symptoms, Signs and Abnormal Findings (R00-R99)	Motor Vehicle Accidents *	All Other Accidents and Adverse Effects **	Suicide (X60-X84, Y87.0)	Homicide (X85-Y09, Y87.1)	All Other Causes
Kansas.....	3	116	140	463	547	578	346	126	3,253
Allen.....	0	0	0	2	2	3	6	0	21
Anderson.....	0	0	0	2	3	1	1	0	13
Atchison.....	0	0	0	4	4	5	4	0	30
Barber.....	0	0	0	0	3	3	6	0	5
Barton.....	0	0	3	13	8	6	1	2	32
Bourbon.....	0	1	0	5	5	9	2	1	26
Brown.....	0	1	2	3	3	9	1	1	26
Butler.....	0	3	4	5	8	15	6	5	70
Chase.....	0	1	0	0	1	0	1	0	6
Chautauqua.....	0	0	0	1	2	1	0	0	5
Cherokee.....	0	0	0	2	7	1	3	0	24
Cheyenne.....	0	0	0	3	3	0	0	0	6
Clark.....	0	0	0	0	1	0	1	0	4
Clay.....	0	2	0	5	3	3	3	0	18
Cloud.....	0	0	1	2	2	4	2	0	27
Coffey.....	0	0	0	0	1	4	3	0	14
Comanche.....	0	0	0	0	0	0	1	0	12
Cowley.....	0	1	2	7	12	5	8	3	66
Crawford.....	0	2	2	6	7	11	5	2	37
Decatur.....	0	0	0	4	0	1	1	0	9
Dickinson.....	0	0	0	5	9	5	4	0	38
Doniphan.....	0	0	0	2	3	3	0	0	7
Douglas.....	1	4	3	10	7	22	9	2	77
Edwards.....	0	1	0	2	3	0	1	0	7
Elk.....	0	0	0	0	0	2	0	0	3
Ellis.....	0	2	0	1	5	2	2	0	36
Ellsworth.....	0	1	0	1	4	3	1	0	10
Finney.....	0	5	1	5	14	7	1	3	36
Ford.....	0	1	3	3	8	5	3	2	37
Franklin.....	0	1	1	3	3	5	3	2	29
Geary.....	0	0	3	4	2	4	1	2	30
Gove.....	0	0	0	1	0	1	0	0	8
Graham.....	0	0	0	1	0	2	0	0	7
Grant.....	0	0	0	0	2	3	3	0	9
Gray.....	0	1	0	1	6	1	0	0	9
Greeley.....	0	0	0	0	0	1	0	0	7
Greenwood.....	0	1	0	2	0	6	2	1	8
Hamilton.....	0	0	0	0	0	0	0	0	4
Harper.....	0	0	0	0	5	1	0	0	13
Harvey.....	0	3	0	1	7	2	3	0	54
Haskell.....	0	0	0	1	1	1	0	0	2
Hodgeman.....	0	1	0	5	3	0	0	0	5
Jackson.....	0	0	0	3	0	3	0	0	18
Jefferson.....	0	0	0	3	10	7	3	0	19
Jewell.....	0	0	0	5	1	1	1	0	2
Johnson.....	1	15	12	34	41	51	53	14	351
Kearny.....	0	0	1	3	1	1	0	0	4
Kingman.....	0	0	0	2	6	3	2	0	6
Kiowa.....	0	0	0	0	2	0	0	0	1
Labette.....	0	2	0	3	9	7	0	0	38
Lane.....	0	1	0	0	1	1	0	0	6
Leavenworth.....	1	6	2	3	5	16	13	3	62
Lincoln.....	0	0	1	0	2	1	0	0	1
Linn.....	0	0	0	0	8	4	1	0	9
Logan.....	0	0	0	0	2	1	0	0	4

Table 55
Selected Causes Of Death By County Of Residence
Kansas, 2002

County of Residence	Selected Causes of Death (ICD-10)								
	Pregnancy, Childbirth and the Puerperium (O00-O99)	Congenital Anomalies (Q00-Q99)	Cert. Cond. Originating in the Perinatal Period (P00-P96)	Symptoms, Signs and Abnormal Findings (R00-R99)	Motor Vehicle Accidents *	All Other Accidents and Adverse Effects **	Suicide (X60-X84, Y87.0)	Homicide (X85-Y09, Y87.1)	All Other Causes
Lyon.....	0	2	1	9	7	7	3	2	34
Marion.....	0	1	1	9	11	4	2	0	38
Marshall.....	0	0	0	10	5	1	0	0	17
McPherson.....	0	3	0	3	9	8	6	0	49
Meade.....	0	1	0	1	0	1	1	0	1
Miami.....	0	0	1	4	9	5	4	1	44
Mitchell.....	0	0	0	1	1	0	4	0	16
Montgomery.....	0	0	4	7	10	14	4	0	68
Morris.....	0	1	0	0	2	2	0	0	9
Morton.....	0	0	0	0	0	1	0	0	5
Nemaha.....	0	0	0	4	3	4	2	0	16
Neosho.....	0	1	2	1	4	5	2	0	25
Ness.....	0	0	0	0	1	1	0	0	4
Norton.....	0	0	0	7	1	1	0	0	7
Osage.....	0	0	1	2	7	6	5	1	16
Osborne.....	0	0	0	1	1	0	1	0	5
Ottawa.....	0	0	0	0	4	0	1	0	11
Pawnee.....	0	1	0	3	2	0	4	0	11
Phillips.....	0	0	0	13	2	3	0	0	14
Pottawatomie.....	0	1	1	6	6	2	6	0	20
Pratt.....	0	1	2	2	2	1	4	0	28
Rawlins.....	0	0	0	0	0	0	0	0	6
Reno.....	0	3	3	27	9	11	12	0	88
Republic.....	0	0	0	7	2	2	1	0	15
Rice.....	0	0	0	0	5	4	0	0	12
Riley.....	0	2	2	3	3	6	7	0	45
Rooks.....	0	1	0	1	2	2	0	0	10
Rush.....	0	0	0	0	2	3	0	0	7
Russell.....	0	0	1	0	1	3	0	0	10
Saline.....	0	4	1	13	10	14	8	0	61
Scott.....	0	1	0	1	0	2	0	0	3
Sedgwick.....	0	24	46	43	91	101	49	28	556
Seward.....	0	1	3	0	6	6	2	0	11
Shawnee.....	0	5	7	20	20	46	25	13	255
Sheridan.....	0	0	0	0	0	1	1	0	7
Sherman.....	0	0	0	1	4	1	0	0	11
Smith.....	0	0	0	7	3	1	0	0	12
Stafford.....	0	1	0	2	2	2	2	0	7
Stanton.....	0	1	0	0	2	0	1	0	1
Stevens.....	0	0	0	0	4	0	0	0	4
Sumner.....	0	0	1	1	13	1	2	0	33
Thomas.....	0	0	0	1	2	1	2	0	7
Trego.....	0	1	0	0	0	1	1	0	5
Wabaunsee.....	0	0	0	0	2	1	2	0	6
Wallace.....	0	0	0	1	0	1	0	0	1
Washington.....	0	0	0	7	1	1	1	1	15
Wichita.....	0	0	1	0	0	0	0	0	8
Wilson.....	0	0	0	3	5	8	0	0	18
Woodson.....	0	0	0	1	3	1	1	0	9
Wyandotte.....	0	4	21	73	23	39	19	37	184

* Motor-Vehicle ICD-10 Codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

** All Other Accidents: V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y86, Y88

Table 56
Deaths from 39 Selected Causes
By Age-Group And Sex Of Decedent
Kansas, 2002

Table 56
 Deaths from 39 Selected Causes
 By Age-Group And Sex Of Decedent
 Kansas, 2002

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Cancer of Urinary Tract (C64-C68).....	274	0	1	0	0	0	2	26	29	64	84	68	0
Male.....	179	0	0	0	0	0	2	20	20	45	54	38	0
Female.....	95	0	1	0	0	0	0	6	9	19	30	30	0
Non-Hodgkin's Lymphoma (C82-C85).....	223	0	2	0	0	0	3	17	33	48	90	30	0
Male.....	115	0	2	0	0	0	2	6	21	32	41	11	0
Female.....	108	0	0	0	0	0	1	11	12	16	49	19	0
Leukemia (C91-C95).....	220	1	2	3	4	4	9	12	32	36	63	54	0
Male.....	121	1	1	1	2	3	7	7	19	27	33	20	0
Female.....	99	0	1	2	2	1	2	5	13	9	30	34	0
Other Malignant Neoplasms*	1,234	0	2	3	12	13	49	121	196	261	376	201	0
Male.....	692	0	1	2	9	7	30	79	126	150	201	87	0
Female.....	542	0	1	1	3	6	19	42	70	111	175	114	0
Diabetes Mellitus (E10-E14).....	763	0	0	0	1	4	23	47	95	157	236	200	0
Male.....	327	0	0	0	0	1	17	26	53	72	97	61	0
Female.....	436	0	0	0	1	3	6	21	42	85	139	139	0
Alzheimer's Disease (G30).....	752	0	0	0	0	0	0	0	5	40	250	457	0
Male.....	230	0	0	0	0	0	0	0	1	24	98	107	0
Female.....	522	0	0	0	0	0	0	0	4	16	152	350	0
Hypertensive Heart Disease (I11, I13).....	141	0	0	0	0	1	4	7	11	14	29	75	0
Male.....	55	0	0	0	0	1	2	5	8	6	12	21	0
Female.....	86	0	0	0	0	0	2	2	3	8	17	54	0
Ischemic Heart Disease (I20-I25).....	4,165	0	0	0	0	8	56	240	333	673	1,308	1,547	0
Male.....	2,184	0	0	0	0	6	42	185	241	448	719	543	0
Female.....	1,981	0	0	0	0	2	14	55	92	225	589	1,004	0
Other Heart Disease (I00-I09, I26-I51).....	2,333	0	2	2	4	6	40	89	156	274	628	1,132	1
Male.....	934	0	2	0	1	3	22	58	98	146	291	313	1
Female.....	1,399	0	0	2	3	3	18	31	58	128	337	819	0
Hypertensive Renal Disease (I10, I12).....	191	0	0	0	0	0	0	1	11	17	49	113	0
Male.....	76	0	0	0	0	0	0	0	9	8	22	37	0
Female.....	115	0	0	0	0	0	0	1	2	9	27	76	0

Table 56
Deaths from 39 Selected Causes
By Age-Group And Sex Of Decedent
Kansas, 2002

Table 56
 Deaths from 39 Selected Causes
 By Age-Group And Sex Of Decedent
 Kansas, 2002

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Congenital Anomalies (Q00-Q99).....	116	63	7	4	3	5	4	5	11	5	2	7	0
Male.....	57	32	3	4	2	1	2	2	4	1	1	5	0
Female.....	59	31	4	0	1	4	2	3	7	4	1	2	0
Sudden Infant Death Syndrome (R95).....	46	46	0	0	0	0	0	0	0	0	0	0	0
Male.....	26	26	0	0	0	0	0	0	0	0	0	0	0
Female.....	20	20	0	0	0	0	0	0	0	0	0	0	0
Symptoms and Abnormal Findings (R00-R94, R96-R99).....	416	5	3	1	3	8	16	21	51	46	86	176	1
Male.....	181	3	0	1	3	6	12	15	33	27	39	42	1
Female.....	235	2	3	0	0	2	4	6	18	19	47	134	0
All Other Diseases**.....	3,655	14	11	15	27	34	142	205	250	462	1,091	1,404	0
Male.....	1,538	8	7	8	13	19	84	122	132	229	489	427	0
Female.....	2,114	6	4	7	14	15	58	83	118	233	602	974	0
Motor Vehicle Accidents***.....	547	1	9	19	164	71	75	74	47	30	42	15	0
Male.....	371	1	5	9	115	56	48	48	38	18	28	5	0
Female.....	176	0	4	10	49	15	27	26	9	12	14	10	0
All Other Accidents and Adverse Effects****.....	578	11	9	13	32	25	89	85	31	56	104	123	0
Male.....	341	7	8	10	31	23	59	52	20	37	55	39	0
Female.....	237	4	1	3	1	2	30	33	11	19	49	84	0
Suicide X60-X84, Y87.0.....	346	0	0	3	62	45	72	70	34	21	25	14	0
Male.....	286	0	0	2	53	37	56	62	27	16	23	10	0
Female.....	60	0	0	1	9	8	16	8	7	5	2	4	0
Homicide X85-Y09, Y87.1.....	126	2	6	2	36	29	21	17	3	6	2	2	0
Male.....	88	0	3	1	26	26	13	11	3	4	1	0	0
Female.....	38	2	3	1	10	3	8	6	0	2	1	2	0
All Other External Causes Y10-Y36, Y87.2, Y89.....	32	0	2	1	5	3	8	7	3	1	1	1	0
Male.....	19	0	0	1	1	2	5	5	3	1	1	0	0
Female.....	10	0	2	0	1	1	3	2	0	0	0	1	0

* C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-C97

**A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15, N20-N23, N28-N98

***V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

****V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1,

V89.3, V89.9, V90-X59, Y40-Y86, Y88

Residence data

Marriages & Marriage Dissolutions

Marriages

In 2002, 19,783 marriages occurred in Kansas, a decrease of 3.3 percent from the 2001 total of 20,457 marriages. ([Table 57](#))

The greatest number of marriages (3,904) occurred in Sedgwick county, but Geary county had the highest marriage rate of 20.0 marriages per 1,000 population. Wallace county had the fewest marriages (7) while Smith and Wallace had the lowest marriage rate (4.1). ([Table 57](#), [Figure 36](#))

The Kansas marriage rate in 2002 was 7.3 marriages per 1,000 population, which was 16.1 percent lower than the 1992 rate of 8.7. The 2002 rate was 6.4 percent lower than the estimated U.S. rate of 7.8 marriages per 1,000 population. ([Table 1](#), [Figure 38](#))

More wedding ceremonies were performed in June (13.9 percent) than any other month in 2002, with August and May being the second and third most popular months. ([Figure 40](#))

First-time marriages for both partners made up more than half of the marriages in Kansas for the fourth consecutive year. In 2002, 52.7 percent of all marriages involved first-time partners. ([Table 59](#), [Figure 2](#))

Kansas couples are delaying marriage. In 1992, 11.9 percent of the brides and 4.5 percent of the grooms were under 20 years of age. However, in 2002, 10.0 percent of the brides and 3.7 percent of the grooms were under 20. ([Table 60](#))

The average age of all brides in 2002 was 29.7 years and that of grooms was 31.9 years. Women marrying for the first time averaged 24.6 years while first time grooms averaged 26.7 years. Of those persons who remarried during 2002, women were, on the average, 39.3 years old and men were 42.1 years of age. ([Figure 41](#))

Marriage and Marriage Dissolutions (Cont.)

Marriage Dissolutions

In 2002, 9,645 marriage dissolutions (9,310 divorces and 335 annulments) occurred in Kansas, a decrease of 2.4 percent from the 2001 total of 9,885. ([Table 58](#) and [Table 62](#))

The greatest number of marriage dissolutions (2,762) occurred in Sedgwick county, but Coffey county had the highest marriage dissolution rate (11.0) per 1,000 population. Greeley county had no marriage dissolutions in 2002. Gove county had 1 and also had the lowest dissolution rate of 0.3 per 1,000 population. ([Table 58](#), [Figure 37](#))

The Kansas marriage dissolution rate in 2002 was 3.6 marriage dissolutions per 1,000 population, which was 26.5 percent lower than the 1992 rate of 4.9. The 2002 rate is the lowest since 1970. ([Table 1](#), [Figure 39](#))

Kansas has generally reported a higher marriage dissolution rate than the U.S. for most years since 1951. However, Kansas' rate in 1995 (4.3) was lower than the U.S. rate (4.4) for the first time since 1951. The Kansas rate in 2002 (3.6) was 10.0 percent lower than the U.S. rate (4.0). ([Figure 39](#))

The ratios of marriages to divorces for Kansas and the U.S. were both roughly 2 to 1, with both Kansas and the U.S. at 2.0:1. ([Table 57](#) and [Table 58](#))

The most common age-group of wives involved in marriage dissolutions in 2002 was 25-29, while for husbands it was the 30-34 age-group. For couples of the same age-group, the most common age-group was 25-29. ([Table 61](#))

The average age at marriage dissolution in 2002 was 36.1 years for wives and 38.5 years for husbands, as compared to 33.8 years for wives and 36.1 years for husbands in 1992. ([Figure 42](#))

In 2002, 41.8 percent of marriages ending in divorce or annulment lasted four years or less. ([Table 62](#))

There were 8,917 minor children affected as a result of marriage dissolutions in 2002. At least one minor child was reported in over half (51.6 percent) of the marriage dissolutions. ([Table 63](#), [Figure 43](#))

Table 57
 Marriages By Number And Rate*
 By County Of Marriage And By Peer Group**
 Kansas, 1998-2002

County of Marriage	Year										5-Year Rate	
	1998		1999		2000		2001		2002			
	Number	Rate										
Kansas.....	20,403	7.8	20,905	7.9	20,426	7.6	20,457	7.6	19,783	7.3	7.6	
Allen.....	92	6.3	96	6.7	86	6.0	90	6.3	82	5.8	6.2	
Anderson.....	74	9.2	75	9.2	54	6.7	63	7.7	68	8.3	8.2	
Atchison.....	138	8.2	116	6.9	118	7.0	130	7.8	116	7.0	7.4	
Barber.....	51	9.5	40	7.6	33	6.2	47	9.1	42	8.3	8.1	
Barton.....	215	7.8	243	8.5	251	8.9	246	8.8	220	7.9	8.4	
Bourbon.....	139	9.1	128	8.5	129	8.4	131	8.5	112	7.4	8.4	
Brown.....	78	7.0	84	7.7	77	7.2	84	7.9	87	8.3	7.6	
Butler.....	458	7.4	476	7.6	421	7.1	412	6.8	379	6.3	7.0	
Chase.....	34	11.5	44	15.4	34	11.2	46	15.2	31	10.6	12.8	
Chautauqua.....	53	12.2	48	11.2	42	9.6	38	8.9	31	7.4	9.9	
Cherokee.....	139	6.2	121	5.4	123	5.4	138	6.2	138	6.3	5.9	
Cheyenne.....	21	6.6	22	6.8	20	6.3	15	4.8	13	4.2	5.7	
Clark.....	17	7.2	22	9.4	16	6.7	24	10.1	13	5.5	7.8	
Clay.....	83	9.1	60	6.7	71	8.0	52	5.9	74	8.5	7.6	
Cloud.....	71	7.1	91	9.1	76	7.4	62	6.2	70	7.0	7.4	
Coffey.....	69	7.9	58	6.6	74	8.3	67	7.6	65	7.3	7.5	
Comanche.....	1	0.5	18	9.2	22	11.2	19	9.7	13	6.5	7.4	
Cowley.....	280	7.7	313	8.5	297	8.2	289	8.0	268	7.4	8.0	
Crawford.....	240	6.6	272	7.5	246	6.4	252	6.6	227	6.0	6.6	
Decatur.....	26	7.5	28	8.3	33	9.5	26	7.6	24	7.0	8.0	
Dickinson.....	193	9.8	194	9.9	157	8.1	156	8.1	140	7.3	8.6	
Doniphan.....	61	7.8	51	6.4	63	7.6	56	6.7	54	6.6	7.0	
Douglas.....	761	8.2	706	7.2	733	7.3	729	7.3	760	7.4	7.5	
Edwards.....	28	8.5	28	8.5	20	5.8	25	7.5	25	7.5	7.6	
Elk.....	20	6.0	26	7.7	26	8.0	24	7.5	18	5.7	7.0	
Ellis.....	210	8.0	220	8.4	207	7.5	205	7.5	201	7.4	7.8	
Ellsworth.....	42	6.7	49	7.9	53	8.1	43	6.6	45	7.0	7.3	
Finney.....	325	8.9	353	9.4	318	7.8	381	9.5	261	6.6	8.4	
Ford.....	273	9.3	314	10.6	259	8.0	370	11.5	261	8.0	9.5	
Franklin.....	179	7.2	222	8.8	167	6.7	200	8.0	196	7.7	7.7	
Geary.....	491	19.4	509	20.4	450	16.1	511	19.1	527	20.0	19.0	
Gove.....	9	2.9	17	5.6	15	4.9	11	3.7	24	8.0	5.0	
Graham.....	17	5.3	20	6.4	22	7.5	12	4.2	22	7.7	6.2	
Grant.....	59	7.4	62	7.9	69	8.7	64	8.2	42	5.3	7.5	
Gray.....	34	6.1	33	5.9	40	6.8	40	6.7	34	5.6	6.2	
Greeley.....	10	5.9	9	5.5	6	3.9	8	5.3	9	6.1	5.3	
Greenwood.....	60	7.4	55	6.9	61	7.9	59	7.6	52	6.8	7.3	
Hamilton.....	22	9.4	17	7.2	21	7.9	22	8.2	21	7.9	8.1	
Harper.....	52	8.1	45	7.1	56	8.6	49	7.7	48	7.6	7.8	
Harvey.....	246	7.2	249	7.3	254	7.7	234	7.1	252	7.6	7.4	
Haskell.....	31	7.8	29	7.2	23	5.3	33	7.7	44	10.3	7.7	
Hodgeman.....	5	2.3	7	3.1	9	4.3	12	5.6	13	6.0	4.3	
Jackson.....	91	7.5	80	6.6	76	6.0	76	6.0	75	5.9	6.4	
Jefferson.....	119	6.5	118	6.5	102	5.5	99	5.3	118	6.3	6.0	
Jewell.....	23	5.9	23	6.1	17	4.5	21	5.8	26	7.4	5.9	
Johnson.....	2,534	5.9	2,612	5.9	2,686	6.0	2,639	5.7	2,647	5.6	5.8	
Kearny.....	30	7.2	29	7.0	28	6.2	20	4.4	26	5.7	6.1	
Kingman.....	54	6.3	50	5.8	57	6.6	55	6.5	65	7.7	6.6	
Kiowa.....	26	7.5	26	7.8	23	7.0	22	7.0	23	7.4	7.3	
Labette.....	173	7.5	132	5.8	139	6.1	137	6.1	117	5.3	6.2	
Lane.....	17	7.5	16	7.4	17	7.9	19	9.1	15	7.5	7.9	
Leavenworth.....	484	6.8	542	7.6	515	7.5	551	7.8	558	7.9	7.5	
Lincoln.....	30	9.0	32	9.6	27	7.5	16	4.5	18	5.1	7.1	
Linn.....	62	6.8	74	8.0	75	7.8	69	7.1	65	6.7	7.3	
Logan.....	35	11.7	15	5.1	36	11.8	16	5.4	19	6.3	8.1	

Table 57
 Marriages By Number And Rate*
 By County Of Marriage And By Peer Group**
 Kansas, 1998-2002

County of Marriage	Year										5-Year Rate	
	1998		1999		2000		2001		2002			
	Number	Rate										
Lyon.....	263	7.8	289	8.6	295	8.2	268	7.5	279	7.8	8.0	
Marion.....	86	6.3	92	6.8	75	5.6	76	5.7	69	5.2	5.9	
Marshall.....	69	6.3	78	7.2	87	7.9	81	7.5	85	8.0	7.4	
McPherson.....	248	8.7	229	7.9	229	7.7	212	7.2	227	7.7	7.8	
Meade.....	38	8.6	37	8.4	32	6.9	30	6.5	23	5.0	7.1	
Miami.....	213	8.0	174	6.4	208	7.3	227	7.9	200	6.9	7.3	
Mitchell.....	50	7.2	53	7.6	60	8.7	51	7.5	34	5.1	7.2	
Montgomery.....	301	8.1	318	8.6	325	9.0	312	8.8	281	8.0	8.5	
Morris.....	56	9.1	55	8.9	57	9.3	50	8.2	46	7.6	8.6	
Morton.....	21	6.1	30	8.6	46	13.2	31	9.2	26	7.7	9.0	
Nemaha.....	87	8.6	67	6.6	88	8.2	90	8.6	71	6.8	7.8	
Neosho.....	128	7.6	120	7.2	127	7.5	123	7.3	114	6.9	7.3	
Ness.....	28	7.8	21	5.9	24	6.9	26	7.8	20	6.0	6.9	
Norton.....	56	9.7	38	6.7	33	5.5	45	7.7	39	6.6	7.2	
Osage.....	86	5.0	125	7.3	115	6.9	93	5.5	91	5.4	6.0	
Osborne.....	22	4.7	20	4.4	24	5.4	32	7.4	26	6.1	5.6	
Ottawa.....	26	4.4	44	7.5	31	5.0	28	4.5	44	7.0	5.7	
Pawnee.....	50	6.7	47	6.5	58	8.0	57	8.2	59	8.5	7.6	
Phillips.....	39	6.4	58	9.7	38	6.3	30	5.1	41	7.0	6.9	
Pottawatomie.....	103	5.5	134	7.1	85	4.7	83	4.5	126	6.8	5.7	
Pratt.....	78	8.0	94	9.9	79	8.2	78	8.2	80	8.4	8.5	
Rawlins.....	24	7.7	25	8.3	17	5.7	21	7.2	22	7.6	7.3	
Reno.....	593	9.4	594	9.3	560	8.6	512	8.0	485	7.6	8.6	
Republic.....	39	6.4	43	7.2	41	7.0	25	4.4	32	5.9	6.2	
Rice.....	62	6.0	65	6.4	64	5.9	67	6.3	67	6.4	6.2	
Riley.....	497	7.8	487	7.6	480	7.6	421	7.0	467	7.6	7.5	
Rooks.....	44	7.8	40	7.1	49	8.6	23	4.1	41	7.5	7.0	
Rush.....	24	7.0	26	7.7	24	6.8	30	8.6	27	7.7	7.6	
Russell.....	51	6.7	45	6.0	62	8.4	60	8.4	56	7.9	7.5	
Saline.....	489	9.5	523	10.2	423	7.9	477	8.9	418	7.8	8.9	
Scott.....	42	8.4	37	7.5	47	9.2	43	8.6	29	5.9	7.9	
Sedgwick.....	3,956	8.8	3,965	8.8	3,890	8.6	3,912	8.6	3,904	8.5	8.7	
Seward.....	193	9.7	214	10.6	209	9.3	274	12.2	201	8.7	10.1	
Shawnee.....	1,257	7.6	1,379	8.1	1,382	8.1	1,326	7.8	1,348	7.9	7.9	
Sheridan.....	18	6.6	12	4.5	15	5.3	10	3.7	14	5.3	5.1	
Sherman.....	40	6.1	48	7.4	51	7.5	43	6.6	37	5.8	6.7	
Smith.....	36	7.8	46	10.1	36	7.9	40	9.0	18	4.1	7.8	
Stafford.....	31	6.2	31	6.2	22	4.6	26	5.5	24	5.1	5.5	
Stanton.....	16	7.1	12	5.4	18	7.5	20	8.3	17	7.1	7.1	
Stevens.....	51	9.5	37	6.9	47	8.6	52	9.7	46	8.6	8.7	
Sumner.....	228	8.4	235	8.6	212	8.2	194	7.5	200	7.8	8.1	
Thomas.....	42	5.2	66	8.3	50	6.1	53	6.6	51	6.3	6.5	
Trego.....	29	8.8	22	6.7	33	9.9	23	7.2	23	7.3	8.0	
Wabaunsee.....	42	6.3	41	6.2	36	5.2	33	4.8	37	5.5	5.6	
Wallace.....	11	6.1	12	6.7	13	7.4	12	7.0	7	4.1	6.3	
Washington.....	51	7.9	29	4.5	41	6.3	52	8.2	45	7.2	6.8	
Wichita.....	18	6.8	15	5.8	16	6.3	28	11.0	15	6.0	7.2	
Wilson.....	81	7.9	85	8.2	92	8.9	59	5.8	67	6.6	7.5	
Woodson.....	34	8.5	32	8.2	20	5.3	32	8.5	29	7.9	7.7	
Wyandotte.....	1,271	8.3	1,297	8.6	1,310	8.3	1,351	8.6	1,181	7.5	8.3	
Peer Group												
Frontier	707	7.2	717	7.4	723	7.3	708	7.3	633	6.6	7.2	
Rural	2,120	7.3	2,118	7.4	2,132	7.3	2,008	7.0	1,994	7.0	7.2	
Densely -Settled Rural .	3,343	7.9	3,456	8.1	3,226	7.5	3,407	7.9	3,047	7.1	7.7	
Semi-Urban	4,454	8.4	4,655	8.8	4,344	8.1	4,377	8.2	4,269	8.0	8.3	
Urban	9,779	7.6	9,959	7.6	10,001	7.5	9,957	7.4	9,840	7.2	7.5	

* Rate per 1,000 population

** See Technical Notes for Peer Group definition.

Occurrence data

Table 58
 Marriage Dissolutions by Number And Rate*
 By County of Action And By Peer Group**
 Kansas, 1998-2002

County of Action											5-Year Rate	
	1998		1999		2000		2001		2002			
	Number	Rate										
Kansas.....	10,363	3.9	9,926	3.7	10,105	3.8	9,885	3.7	9,645	3.6	3.7	
Allen.....	30	2.1	39	2.7	44	3.1	36	2.5	30	2.1	2.5	
Anderson.....	27	3.3	33	4.1	41	5.1	35	4.3	27	3.3	4.0	
Atchison.....	73	4.3	58	3.4	65	3.9	78	4.7	85	5.1	4.3	
Barber.....	27	5.1	24	4.6	27	5.1	26	5.0	19	3.7	4.7	
Barton.....	87	3.1	70	2.4	56	2.0	62	2.2	83	3.0	2.5	
Bourbon.....	54	3.5	65	4.3	61	4.0	57	3.7	61	4.0	3.9	
Brown.....	35	3.2	30	2.7	47	4.4	33	3.1	35	3.3	3.3	
Butler.....	231	3.7	196	3.1	238	4.0	173	2.9	182	3.0	3.3	
Chase.....	5	1.7	8	2.8	6	2.0	1	0.3	7	2.4	1.8	
Chautauqua.....	19	4.4	16	3.7	22	5.0	25	5.9	16	3.8	4.6	
Cherokee.....	84	3.7	66	2.9	56	2.5	61	2.7	69	3.1	3.0	
Cheyenne.....	14	4.4	9	2.8	12	3.8	13	4.2	15	4.8	4.0	
Clark.....	12	5.1	3	1.3	5	2.1	10	4.2	7	2.9	3.1	
Clay.....	21	2.3	32	3.6	40	4.5	30	3.4	31	3.6	3.5	
Cloud.....	30	3.0	38	3.8	49	4.8	41	4.1	40	4.0	3.9	
Coffey.....	150	17.2	124	14.2	151	17.0	112	12.7	98	11.0	14.4	
Comanche.....	0	0.0	6	3.1	4	2.0	2	1.0	3	1.5	1.5	
Cowley.....	206	5.7	162	4.4	195	5.4	191	5.3	200	5.5	5.3	
Crawford.....	178	4.9	180	5.0	185	4.8	136	3.6	145	3.8	4.4	
Decatur.....	11	3.2	9	2.7	6	1.7	9	2.6	8	2.3	2.5	
Dickinson.....	86	4.4	103	5.2	89	4.6	90	4.7	73	3.8	4.5	
Doniphan.....	19	2.4	39	4.9	22	2.7	36	4.3	29	3.5	3.6	
Douglas.....	381	4.1	393	4.0	344	3.4	286	2.9	298	2.9	3.5	
Edwards.....	9	2.7	7	2.1	15	4.3	8	2.4	9	2.7	2.8	
Elk.....	6	1.8	24	7.1	19	5.8	21	6.6	18	5.7	5.4	
Ellis.....	103	3.9	96	3.6	116	4.2	110	4.0	101	3.7	3.9	
Ellsworth.....	53	8.4	57	9.2	54	8.3	58	8.9	39	6.1	8.2	
Finney.....	146	4.0	161	4.3	137	3.4	148	3.7	129	3.2	3.7	
Ford.....	107	3.6	130	4.4	112	3.5	104	3.2	113	3.5	3.6	
Franklin.....	91	3.7	136	5.4	110	4.4	131	5.3	126	5.0	4.8	
Geary.....	235	9.3	260	10.4	225	8.1	228	8.5	234	8.9	9.0	
Gove.....	3	1.0	3	1.0	8	2.6	6	2.0	1	0.3	1.4	
Graham.....	15	4.7	3	1.0	9	3.1	17	6.0	6	2.1	3.4	
Grant.....	26	3.2	42	5.3	25	3.2	27	3.5	30	3.8	3.8	
Gray.....	13	2.3	12	2.2	11	1.9	11	1.8	19	3.1	2.3	
Greeley.....	8	4.7	6	3.6	7	4.6	0	0.0	0	0.0	2.6	
Greenwood.....	30	3.7	48	6.0	39	5.1	33	4.2	28	3.7	4.5	
Hamilton.....	6	2.6	11	4.6	16	6.0	18	6.7	10	3.8	4.7	
Harper.....	21	3.3	19	3.0	20	3.1	12	1.9	25	4.0	3.1	
Harvey.....	86	2.5	137	4.0	38	1.2	120	3.6	123	3.7	3.0	
Haskell.....	18	4.5	10	2.5	9	2.1	6	1.4	8	1.9	2.5	
Hodgeman.....	6	2.7	3	1.3	3	1.4	3	1.4	5	2.3	1.8	
Jackson.....	44	3.6	36	3.0	36	2.8	53	4.2	40	3.1	3.3	
Jefferson.....	60	3.3	52	2.9	68	3.7	60	3.2	51	2.7	3.2	
Jewell.....	12	3.1	13	3.4	17	4.5	8	2.2	11	3.1	3.3	
Johnson.....	501	1.2	458	1.0	469	1.0	427	0.9	546	1.1	1.0	
Kearny.....	3	0.7	13	3.1	8	1.8	5	1.1	14	3.1	2.0	
Kingman.....	38	4.4	23	2.7	27	3.1	24	2.8	26	3.1	3.2	
Kiowa.....	5	1.4	5	1.5	6	1.8	7	2.2	11	3.5	2.1	
Labette.....	120	5.2	117	5.1	129	5.6	96	4.3	105	4.7	5.0	
Lane.....	12	5.3	8	3.7	4	1.9	10	4.8	6	3.0	3.7	
Leavenworth.....	139	1.9	86	1.2	156	2.3	205	2.9	231	3.3	2.3	
Lincoln.....	13	3.9	9	2.7	9	2.5	5	1.4	10	2.8	2.7	
Linn.....	45	4.9	21	2.3	33	3.4	34	3.5	34	3.5	3.5	
Logan.....	14	4.7	6	2.0	4	1.3	15	5.1	7	2.3	3.1	

Table 58
 Marriage Dissolutions by Number And Rate*
 By County of Action And By Peer Group**
 Kansas, 1998-2002

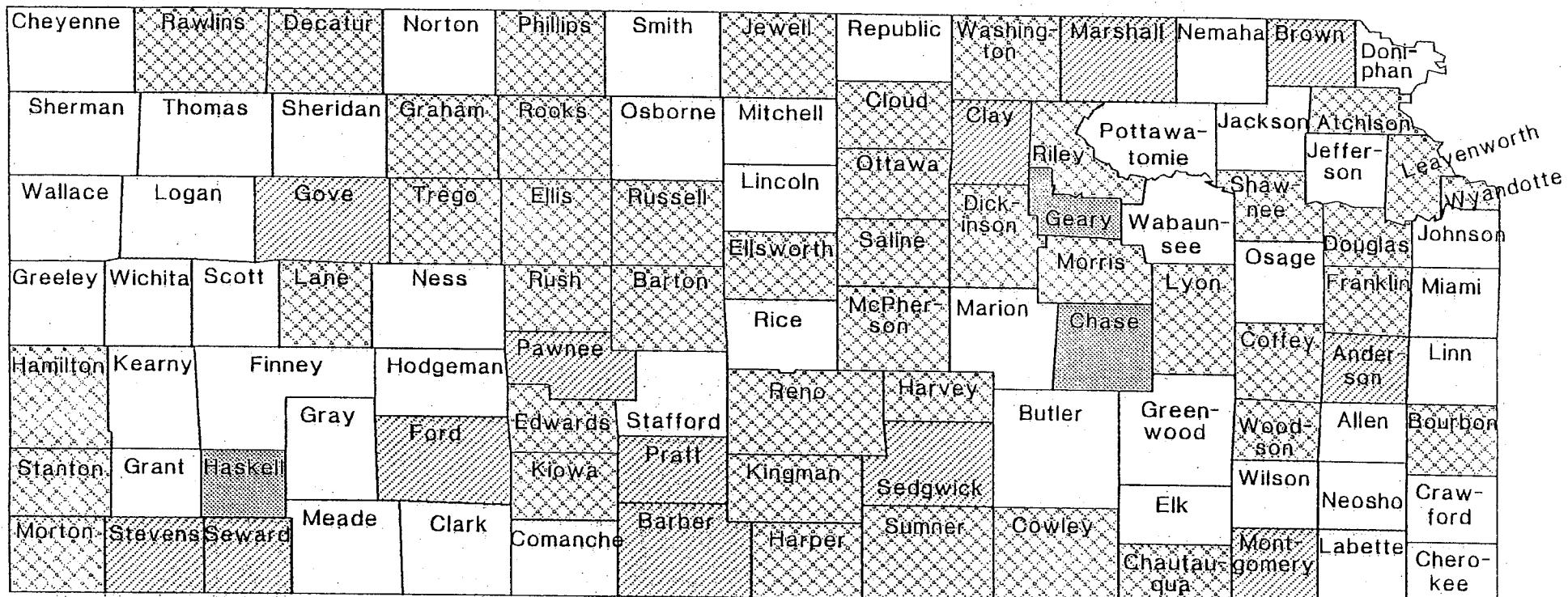
County of Action											5-Year Rate	
	1998		1999		2000		2001		2002			
	Number	Rate										
Lyon.....	41	1.2	51	1.5	38	1.1	53	1.5	64	1.8	1.4	
Marion.....	47	3.5	39	2.9	39	2.9	28	2.1	38	2.9	2.9	
Marshall.....	28	2.5	26	2.4	36	3.3	48	4.5	31	2.9	3.1	
McPherson.....	71	2.5	76	2.6	95	3.2	113	3.8	112	3.8	3.2	
Meade.....	12	2.7	8	1.8	10	2.2	9	1.9	12	2.6	2.2	
Miami.....	74	2.8	55	2.0	55	1.9	44	1.5	42	1.5	1.9	
Mitchell.....	16	2.3	25	3.6	28	4.0	24	3.5	24	3.6	3.4	
Montgomery.....	183	4.9	177	4.8	156	4.3	153	4.3	140	4.0	4.5	
Morris.....	21	3.4	27	4.4	20	3.3	26	4.3	18	3.0	3.7	
Morton.....	8	2.3	16	4.6	13	3.7	8	2.4	14	4.2	3.4	
Nemaha.....	33	3.3	23	2.3	26	2.4	37	3.5	28	2.7	2.8	
Neosho.....	70	4.2	69	4.1	63	3.7	108	6.4	71	4.3	4.5	
Ness.....	16	4.4	9	2.5	11	3.2	11	3.3	8	2.4	3.2	
Norton.....	32	5.6	22	3.9	32	5.4	36	6.2	30	5.1	5.2	
Osage.....	57	3.3	76	4.4	87	5.2	55	3.3	65	3.8	4.0	
Osborne.....	22	4.7	19	4.1	11	2.5	15	3.5	9	2.1	3.4	
Ottawa.....	19	3.2	22	3.7	16	2.6	22	3.6	18	2.9	3.2	
Pawnee.....	30	4.0	26	3.6	44	6.1	28	4.0	42	6.0	4.7	
Phillips.....	20	3.3	26	4.4	32	5.3	31	5.3	22	3.7	4.4	
Pottawatomie.....	57	3.0	53	2.8	51	2.8	50	2.7	45	2.4	2.7	
Pratt.....	42	4.3	43	4.5	37	3.8	41	4.3	39	4.1	4.2	
Rawlins.....	4	1.3	8	2.7	3	1.0	14	4.8	13	4.5	2.9	
Reno.....	457	7.2	411	6.5	387	6.0	367	5.7	376	5.9	6.3	
Republic.....	15	2.5	12	2.0	26	4.5	19	3.4	22	4.0	3.3	
Rice.....	31	3.0	32	3.1	29	2.7	27	2.6	32	3.0	2.9	
Riley.....	199	3.1	184	2.9	175	2.8	168	2.8	182	3.0	2.9	
Rooks.....	14	2.5	17	3.0	11	1.9	16	2.9	13	2.4	2.5	
Rush.....	7	2.1	9	2.7	15	4.2	4	1.1	5	1.4	2.3	
Russell.....	22	2.9	24	3.2	29	3.9	19	2.7	24	3.4	3.2	
Saline.....	312	6.0	288	5.6	333	6.2	340	6.3	272	5.0	5.8	
Scott.....	23	4.6	11	2.2	17	3.3	12	2.4	19	3.9	3.3	
Sedgwick.....	2,906	6.5	2,770	6.1	2,877	6.4	3,004	6.6	2,762	6.0	6.3	
Seward.....	98	4.9	98	4.9	112	5.0	79	3.5	91	3.9	4.4	
Shawnee.....	750	4.5	689	4.0	713	4.2	684	4.0	717	4.2	4.2	
Sheridan.....	5	1.8	11	4.1	8	2.8	9	3.3	7	2.7	2.9	
Sherman.....	37	5.7	39	6.0	34	5.0	33	5.1	33	5.2	5.4	
Smith.....	13	2.8	10	2.2	12	2.6	4	0.9	11	2.5	2.2	
Stafford.....	21	4.2	16	3.2	11	2.3	5	1.1	8	1.7	2.5	
Stanton.....	5	2.2	8	3.6	11	4.6	8	3.3	10	4.1	3.6	
Stevens.....	29	5.4	34	6.3	32	5.9	35	6.5	23	4.3	5.7	
Sumner.....	76	2.8	84	3.1	96	3.7	65	2.5	85	3.3	3.1	
Thomas.....	31	3.9	33	4.1	32	3.9	29	3.6	27	3.3	3.8	
Trego.....	11	3.4	13	4.0	20	6.0	2	0.6	11	3.5	3.5	
Wabaunsee.....	16	2.4	16	2.4	17	2.5	13	1.9	12	1.8	2.2	
Wallace.....	6	3.3	4	2.2	1	0.6	2	1.2	5	3.0	2.1	
Washington.....	13	2.0	16	2.5	10	1.5	10	1.6	10	1.6	1.8	
Wichita.....	7	2.6	7	2.7	7	2.8	2	0.8	4	1.6	2.1	
Wilson.....	48	4.7	61	5.9	67	6.5	48	4.7	57	5.6	5.5	
Woodson.....	14	3.5	13	3.3	11	2.9	12	3.2	14	3.8	3.3	
Wyandotte.....	526	3.5	405	2.7	405	2.6	362	2.3	251	1.6	2.5	
Peer Group												
Frontier	297	3.0	292	3.0	307	3.1	272	2.8	276	2.9	3.0	
Rural	1,172	4.1	1,144	4.0	1,240	4.3	1,133	3.9	1,080	3.8	4.0	
Densely -Settled Rural	1,604	3.8	1,614	3.8	1,654	3.8	1,599	3.7	1,598	3.7	3.8	
Semi-Urban	2,226	4.2	2,161	4.1	2,096	3.9	2,118	4.0	2,117	4.0	4.0	
Urban	5,064	3.9	4,715	3.6	4,808	3.6	4,763	3.5	4,574	3.3	3.6	

* Rate per 1,000 population

** See Technical Notes for Peer Group definition.

Occurrence data

Marriage Rates By County Of Occurrence Kansas, 2002



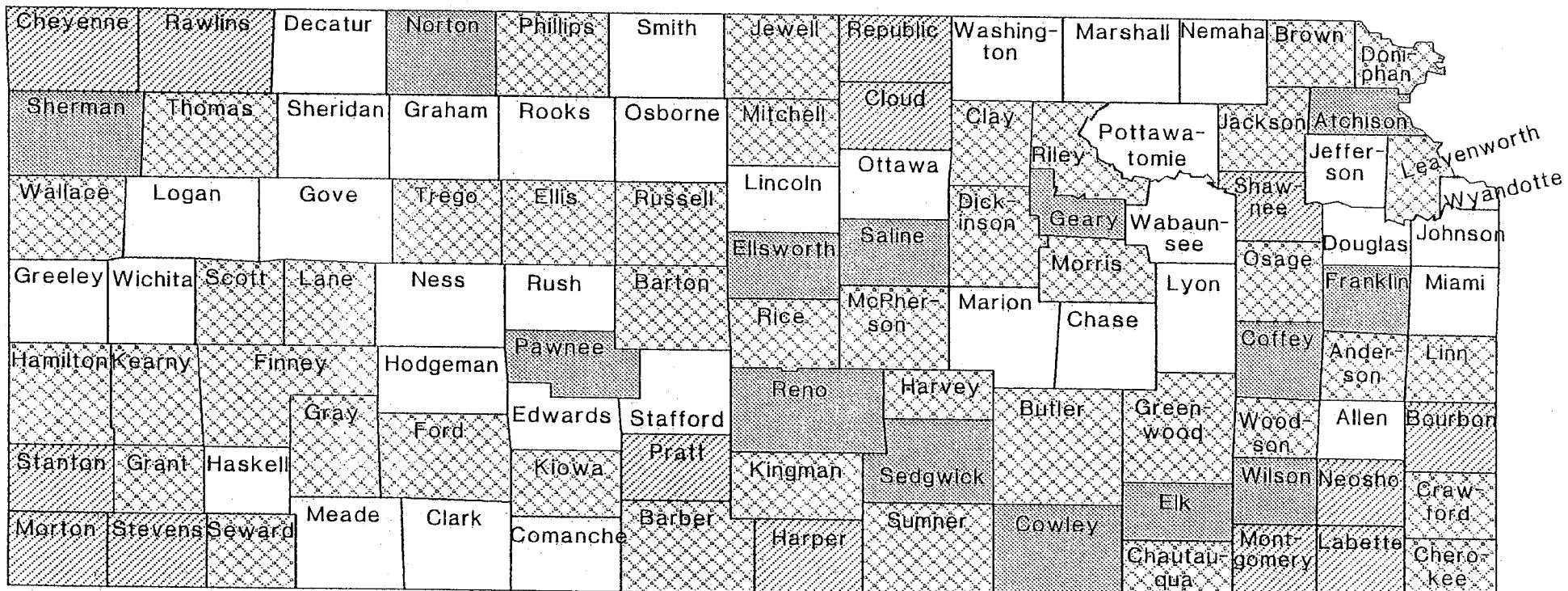
Marriages Per 1,000 Population

State Rate: 7.3

Legend	
Under 7.0	
7.0 to 7.9	
8.0 to 8.9	
9.0 and over	

Figure 36

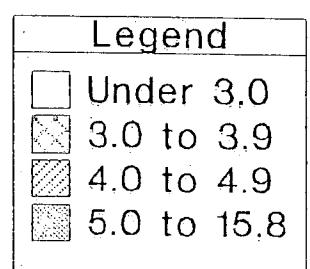
Marriage Dissolution Rates By County Of Occurrence Kansas, 2002



Marriage Dissolutions Per 1,000 Population

State Rate: 3.6

Figure 37



Marriage Rates

Kansas and the U.S., 1952-2002

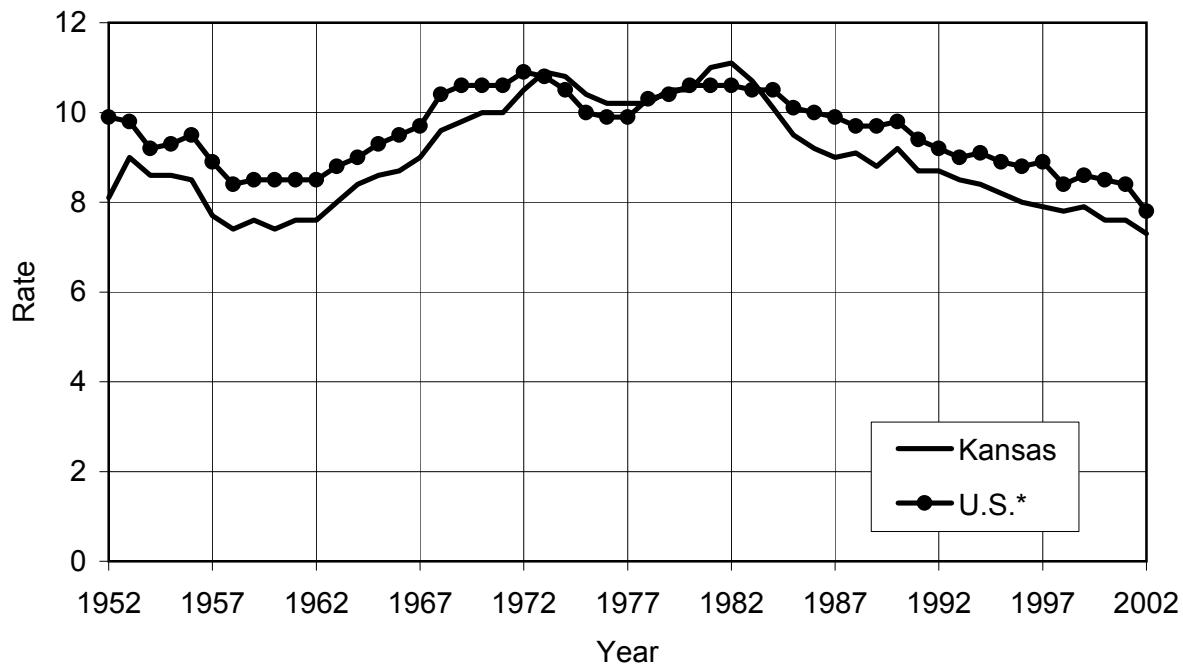


Figure 38

*1991-2002 Rates Provisional.

Rate per 1,000 Population

Occurrence Data

Marriage Dissolution Rates

Kansas and the U.S., 1952-2002

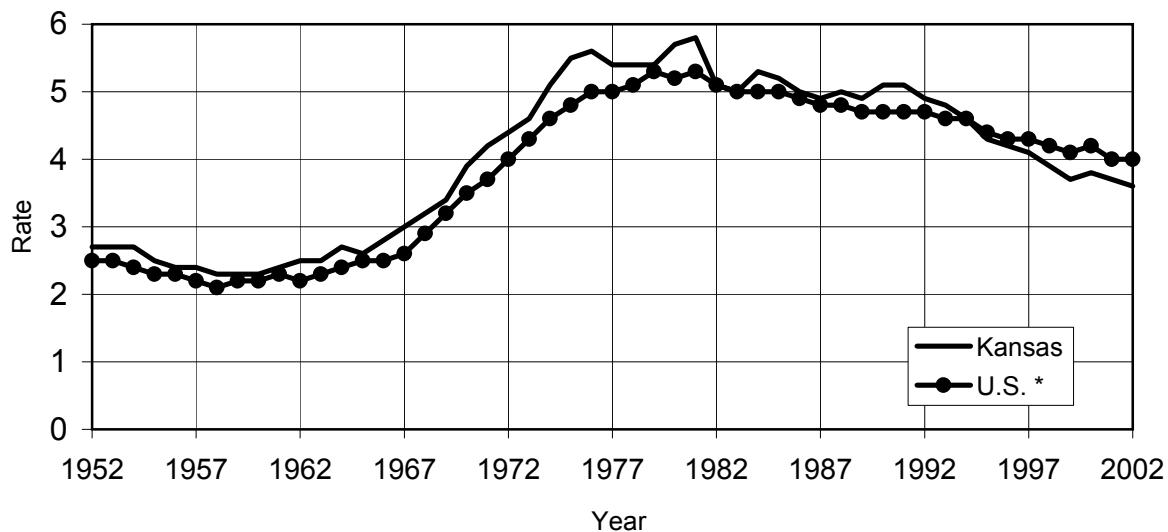


Figure 39

*1991-2002 Rates Provisional.

Rate per 1,000 Population

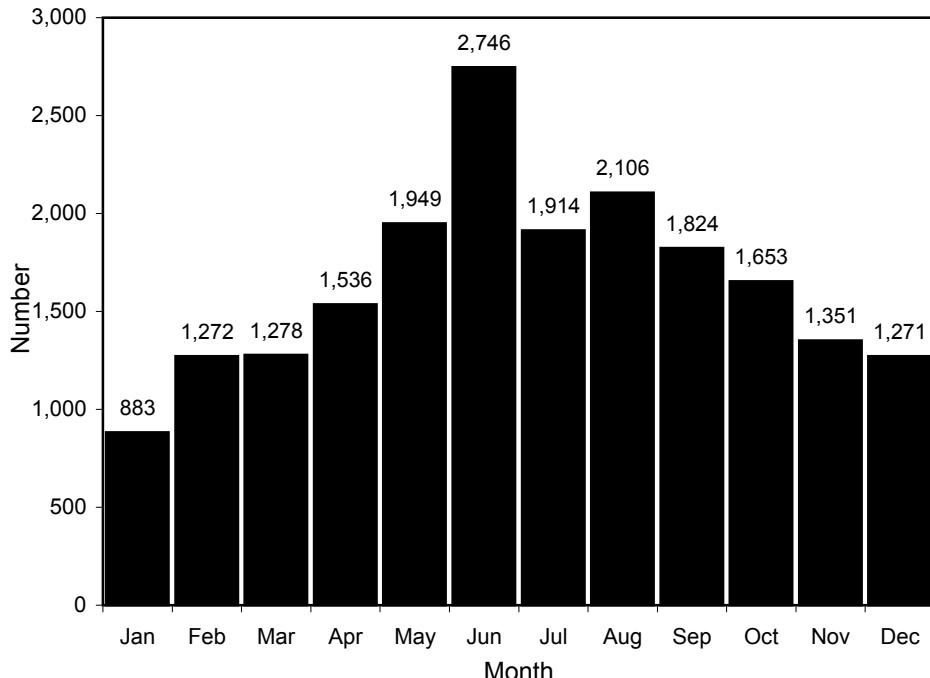
Occurrence Data

Number of Marriages by Month

Kansas 2001

Number of Marriages by Month

Kansas, 2002



Occurrence data

Figure 40

Table 59
Marriages By Premarital Status Of Bride
By Premarital Status Of Groom
Kansas, 2002

Premarital Status of Groom	Total	Premarital Status of Bride				
		Never Married	Divorced	Annulled	Widowed	Not Stated
Total.....	19,783	12,407	6,545	146	605	80
Never Married.....	12,536	10,368	1,984	69	81	34
Divorced.....	6,483	1,935	4,220	56	264	8
Annulled.....	136	48	66	16	6	0
Widowed.....	568	47	262	5	254	0
Not Stated.....	60	9	13	0	0	38

Occurrence data

Table 60
 Marriages By Age-Group Of Bride By Age-Group Of Groom
 Kansas, 2002

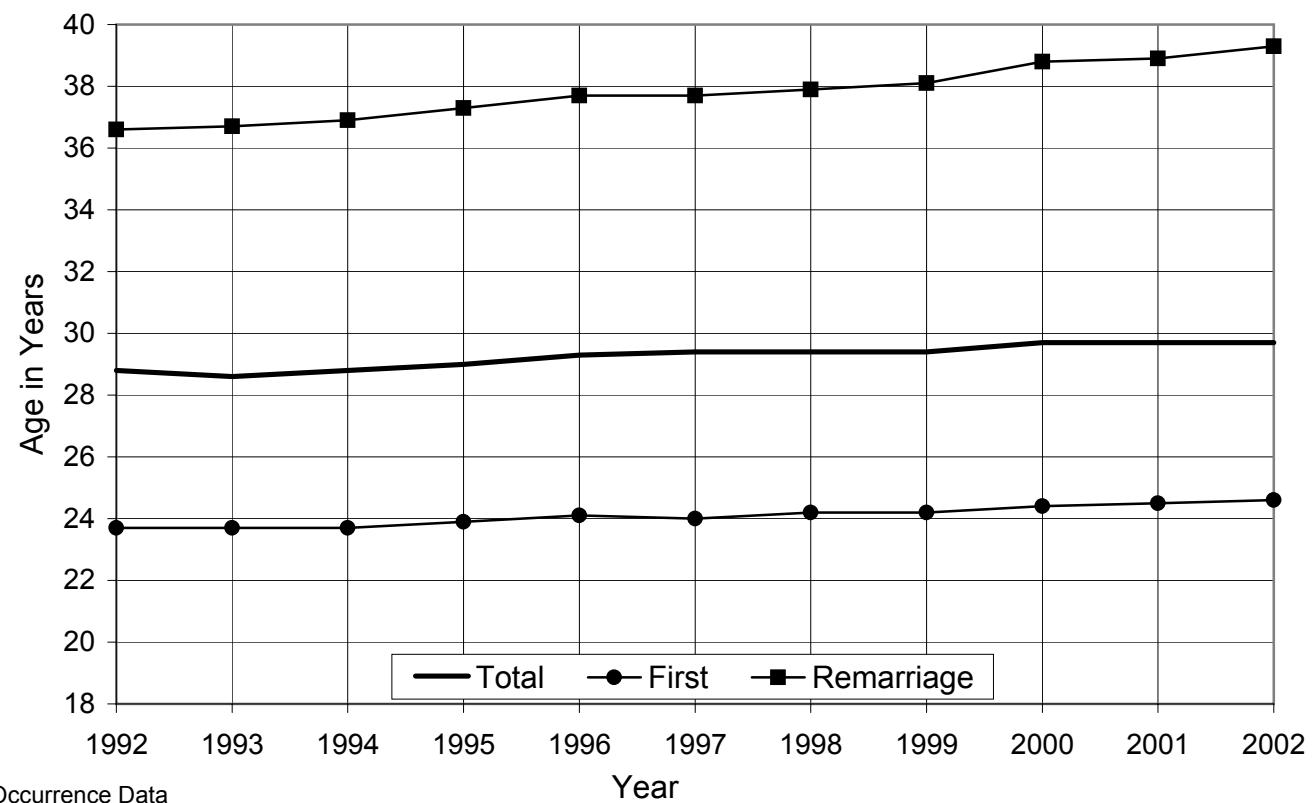
Age-Group of Groom	Total	Age-Group of Bride														
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total.....	19,783	3	1,979	6,615	3,764	2,229	1,601	1,401	971	511	277	171	121	72	68	0
Under 15.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19.....	734	2	508	199	20	3	2	0	0	0	0	0	0	0	0	0
20-24.....	5,625	1	1,142	3,717	574	130	38	18	3	2	0	0	0	0	0	0
25-29.....	4,609	0	243	2,011	1,729	448	124	42	10	1	0	1	0	0	0	0
30-34.....	2,613	0	51	465	925	700	303	113	35	16	3	2	0	0	0	0
35-39.....	1,837	0	24	136	341	518	458	253	80	18	8	1	0	0	0	0
40-44.....	1,538	0	7	55	119	283	394	420	187	57	10	6	0	0	0	0
45-49.....	1,064	0	4	22	31	93	171	333	302	78	24	1	5	0	0	0
50-54.....	715	0	0	7	18	31	73	159	207	157	52	7	3	0	1	0
55-59.....	399	0	0	2	4	15	24	39	88	115	81	23	6	0	2	0
60-64.....	248	0	0	1	3	5	9	16	37	36	60	59	14	8	0	0
65-69.....	148	0	0	0	0	1	1	4	9	20	21	42	44	6	0	0
70-74.....	107	0	0	0	0	1	1	3	6	8	10	16	29	24	9	0
75 & Over.....	146	0	0	0	0	1	3	1	7	3	8	13	20	34	56	0
Not Stated.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Occurrence data

Average Age at Marriage

Kansas, 1992-2002

Bride



Groom

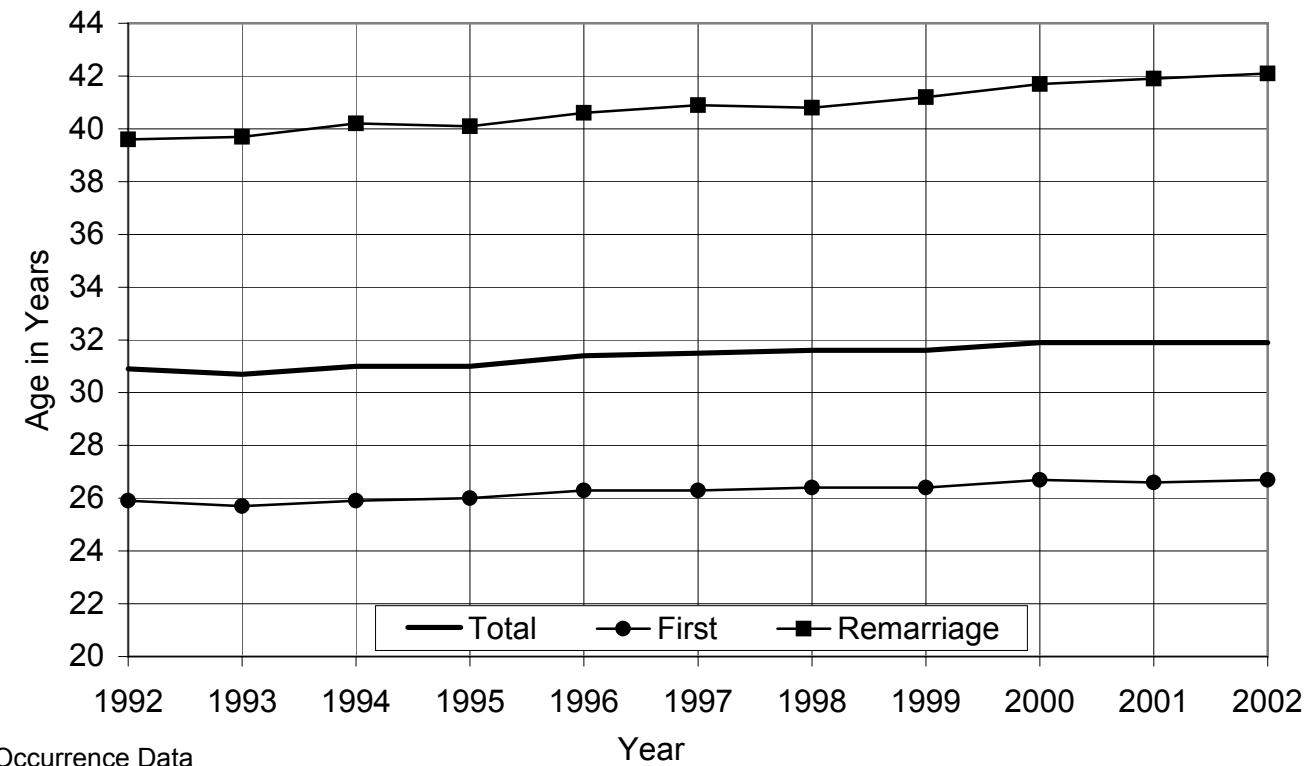


Figure 41

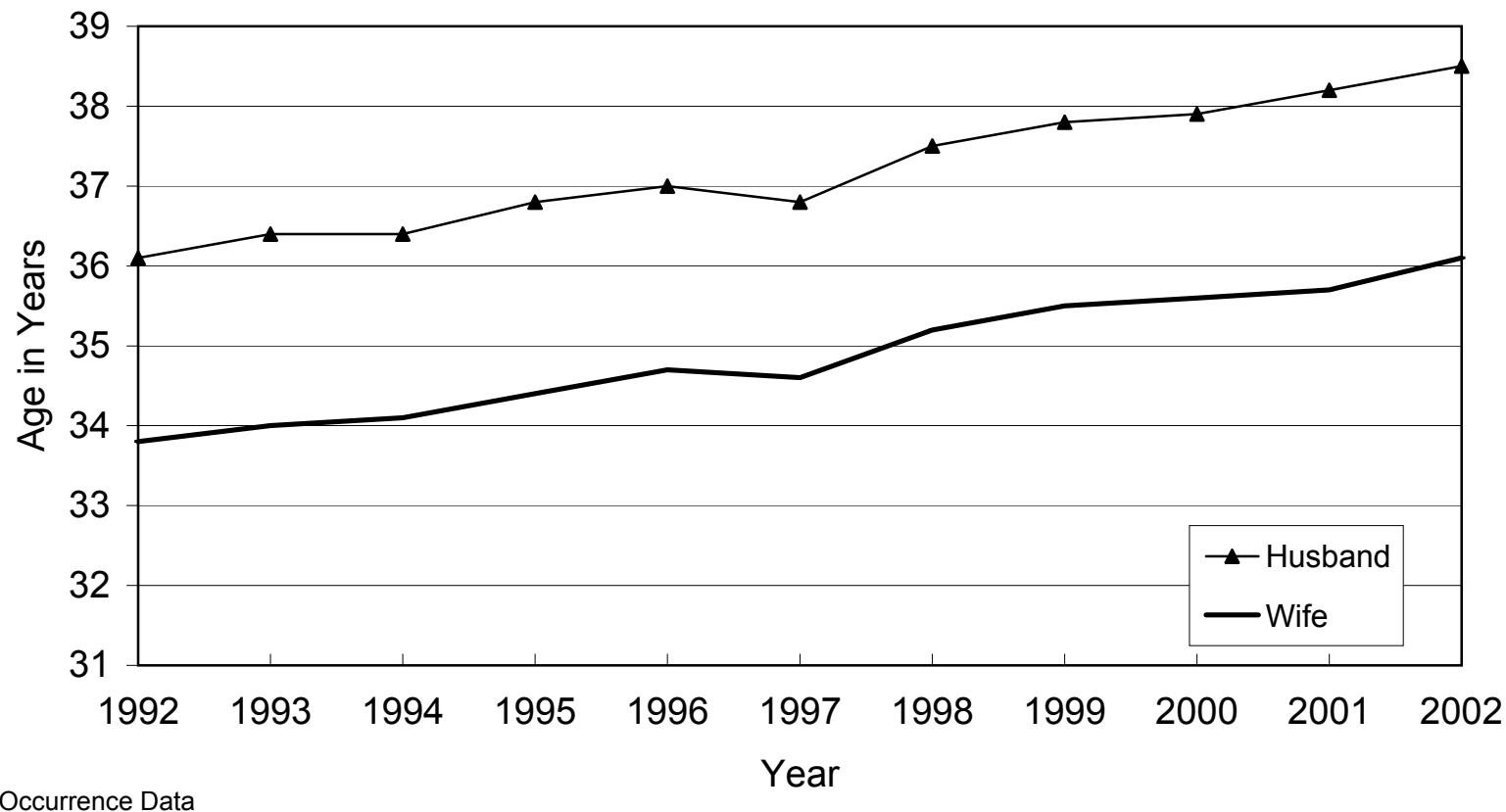
Table 61
 Marriage Dissolutions by Age-Group of Wife by Age-Group of Husband
 Kansas, 2002

Age-Group of Husband	Age-Group of Wife															
	Total	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total.....	9,645	0	112	1,302	1,590	1,583	1,466	1,342	939	522	252	142	71	28	25	271
Under 15.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19.....	21	0	8	10	2	0	0	0	0	0	0	0	0	0	0	1
20-24.....	850	0	84	607	108	24	5	1	2	0	0	0	0	0	0	19
25-29.....	1,481	0	16	494	719	171	44	12	1	2	0	0	0	0	0	22
30-34.....	1,576	0	1	123	504	670	173	49	16	4	2	1	1	0	0	32
35-39.....	1,509	0	0	35	145	437	586	189	62	22	6	1	0	0	0	26
40-44.....	1,379	0	2	9	57	169	400	517	150	34	9	3	0	0	0	29
45-49.....	1,082	0	0	6	25	57	154	358	348	76	26	5	2	2	0	23
50-54.....	745	0	0	3	4	23	61	131	243	218	35	12	5	0	0	10
55-59.....	383	0	0	0	1	9	17	48	72	115	94	17	5	0	0	5
60-64.....	186	0	0	0	1	0	4	10	24	33	51	46	9	2	0	6
65-69.....	107	0	0	0	0	1	2	5	4	8	19	34	22	3	3	6
70-74.....	59	0	0	0	0	0	2	0	3	5	3	12	19	10	1	4
75 & Over.....	57	0	0	0	0	0	1	0	1	1	4	8	7	11	20	4
Not Stated.....	210	0	1	15	24	22	17	22	13	4	3	3	1	0	1	84

Occurrence data

Average Age at Marriage Dissolution

Kansas, 1992-2002



Occurrence Data

Figure 42

Table 62
Marriage Dissolutions
By Duration of Marriage in Years
Kansas, 2002

Duration of Marriage	Total	Divorces	Annulments
Total.....	9,645	9,310	335
Under 1.....	790	588	202
1.....	854	779	75
2.....	913	886	27
3.....	813	805	8
4.....	666	662	4
5.....	604	599	5
6.....	527	527	0
7.....	475	473	2
8.....	372	370	2
9.....	317	316	1
10.....	320	318	2
11.....	306	305	1
12.....	256	254	2
13.....	215	215	0
14.....	222	222	0
15.....	164	164	0
16.....	172	172	0
17.....	155	154	1
18.....	150	150	0
19.....	161	161	0
20-24.....	570	568	2
25-29.....	316	315	1
30-34.....	180	180	0
35-39.....	66	66	0
40 & Over.....	61	61	0
Not Stated.....	0	0	0

Occurrence data

Marriage Dissolutions:

Percent Distribution by Number of Minor Children
Kansas, 2002

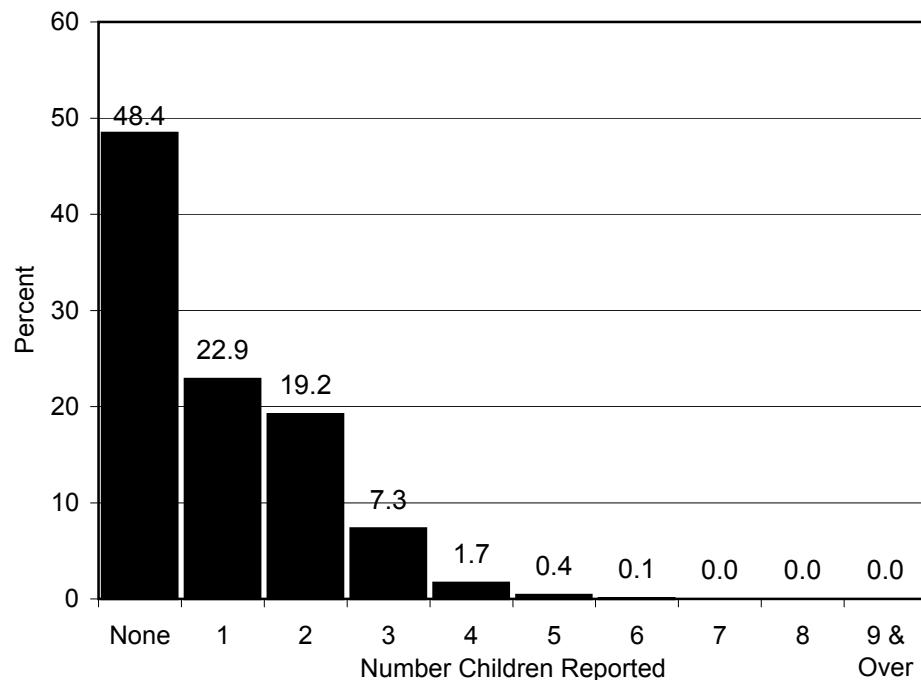


Figure 43

Occurrence Data

Table 63
Marriage Dissolutions by Number of Minor Children Reported
and Number of Minor Children Affected
Kansas, 2002

Number of Minor Children Reported	Divorces		Annulments		Total Children Affected
	Number	Percent	Number	Percent	
Total.....	9,310	100.0	335	100.0	8,917
None.....	4,368	46.9	305	91.0	0
1	2,186	23.5	19	5.7	2,205
2	1,846	19.8	7	2.1	3,706
3	703	7.6	4	1.2	2,121
4 or More.....	207	2.2	0	0.0	885
Not Stated.....	0	0	0	0	0

*Represents the number of children involved in marriages ending in divorce or annulment.
Occurrence

Technical Notes

Registration. The reporting of Kansas vital events to the Kansas Department of Health and Environment (KDHE) is mandated by law (K.S.A. 65-102). The filing of birth and death records was begun in 1911 and the registration of marriages and divorces was initiated in 1913 and 1951 respectively. Certificates of births, deaths, fetal deaths, marriages, marriage dissolutions, and reports of abortions are completed by the combined efforts of physicians, hospital personnel, funeral directors, and local courts. All certificates and reports are filed with the Office of Vital Statistics by direct reporting. Since registration of vital events began, over ten million records have been processed, filed and indexed.

Quality of Data. The quality of the analyses in the Annual Summary of Vital Statistics depends on the accuracy of the Kansas vital statistics data. The Office of Vital Statistics makes every effort to ensure the completeness and accuracy of the certificates filed. An interchange agreement with all 50 states and Canada ensures that vital events occurring to Kansas residents in other states or Canada are recorded. Tabulation of vital events for 2002 in-state occurrences is maintained through March 15, 2003, while out-of-state occurrences are maintained through May 1, 2003. Reports filed later consist of less than one percent of the total reports filed, are considered negligible, and are omitted from this report.

Residence vs Occurrence Data. Residence data is information compiled according to the usual residence regardless of where the event occurred (including events occurring out-of-state). Occurrence data is information compiled according to the geographical location where the event took place, regardless of the actual residence. Information compiled for births, fetal deaths, deaths and abortions in this report are residence data, while marriages and marriage dissolutions are occurrence data.

Peer Groups. For various demographic studies, it is useful to consider groups of counties with similar characteristics. "Peer Groups" of counties, as used in this summary, are defined as those with similar population density based on their 2000 actual census counts. In order to facilitate a time series comparison the assignment of counties to their peer group remains unchanged until the next decennial census. They will not necessarily have similar values for any other indicators. Frontier counties are defined as those with less than 6.0 persons per square mile, Rural counties as those with 6.0 - 19.9 persons per square mile, Densely-Settled Rural counties as those with 20.0 - 39.9 persons per square mile, Semi-Urban counties as those with 40.0 - 149.9 persons per square mile, and Urban counties as those with 150.0 or more persons per square mile. These definitions originated with the Kansas Department of Health and Environment, Office of Local and Rural Health, and should *not* be confused with the U.S. Census Bureau's definitions of urban and

Technical Notes (Cont.)

rural areas. Sources for calculation of population densities are population figures from the 2000 U.S. Census and land areas from the 2000 U.S. Census.

Counties are grouped in population density peer groups as follows:

Frontier

Barber	Wallace	Republic	Labette
Chase	Wichita	Rice	McPherson
Cheyenne		Rooks	Neosho
Clark	Rural	Russell	Osage
Comanche	Anderson	Scott	Pottawatomie
Decatur	Brown	Sherman	Seward
Edwards	Chautauqua	Stafford	Sumner
Elk	Clay	Stevens	
Gove	Cloud	Thomas	Semi-Urban
Graham	Coffey	Wabaunsee	Butler
Greeley	Ellsworth	Washington	Crawford
Hamilton	Grant	Wilson	Franklin
Hodgeman	Gray	Woodson	Geary
Jewell	Greenwood		Harvey
Kearny	Harper	Densely-	Leavenworth
Kiowa	Haskell	Settled	Lyon
Lane	Jackson	Rural	Miami
Lincoln	Kingman	Allen	Montgomery
Logan	Linn	Atchison	Reno
Meade	Marion	Barton	Riley
Morton	Marshall	Bourbon	Saline
Ness	Mitchell	Cherokee	
Osborne	Morris	Cowley	Urban
Rawlins	Nemaha	Dickinson	Douglas
Rush	Norton	Doniphan	Johnson
Sheridan	Ottawa	Ellis	Sedgwick
Smith	Pawnee	Finney	Shawnee
Stanton	Phillips	Ford	Wyandotte
Trego	Pratt	Jefferson	

Population. State and county population estimates for 1998-1999 were obtained from the U.S. Bureau of the Census (U.S.C.B.) on the Internet at: <http://eire.census.gov/popest>.

City population estimates for 1998-1999 were derived by the KDHE as in the following example for 1999:

$$\frac{1999 \text{ City Population}}{\text{1999 County Population}} = \frac{\text{City Population, 1998}}{\text{County Population, 1998}} \times \frac{x}{\text{1999 County Population}}$$

Technical Notes (Cont.)

Actual population counts from the U.S.C.B. were obtained for 2000 on the internet at <http://www.census.gov/main/www/cen2000.html>. Population estimates for 2001-2002 by the U.S.C.B. and certified by the Kansas Division of the Budget were obtained on the internet at: <http://da.state.ks.us/budget/ecodemo.htm>.

Population estimates by age-group and sex for 1992 were obtained from the U.S. Bureau of the Census, Press Release CB92-93 and CB92-276, respectively. Population estimates for 1993-1996 were obtained from the Census and You, Vol. 29, No. 4, April 1994, Vol. 30, No. 4, April 1995, Vol. 31, No. 3, March, 1996 and Vol. 32, No. 7, July, 1997 U.S.C.B., respectively. Population estimates for 1997-1999 were obtained on the internet at: <http://eire.census.gov/popest/archives/1990.php>. Population counts for 2000 were obtained on the internet at <http://www.census.gov/main/www/cen2000.html>. These numbers were used in age-specific and age-adjusted calculations. Population by age-group and sex was not available from the U.S.C.B. for 2001 and was estimated by the Kansas Department of Health and Environment based on 2000 U.S. Census Bureau numbers. Population estimates for 2002 were obtained from the Vintage 2002 postcensal series by year, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement between the National Center for Health Statistics and the U.S. Census Bureau. The population data are at the Centers for Disease Control and Prevention website at <http://www.cdc.gov/nchs/abort/major/dvs/popbridge/popbridge.htm>.

Due to rounding and variation in estimation methods within the U.S. Census Bureau, some discrepancies may be found in population data. (Tables 2 and 4) Usually differences are negligible and rarely result in discrepancies in the totals. We advise you to utilize state totals from the county population totals when a total population estimate is needed.

Female Population 10-19. Estimates of the Kansas female population for 1992-1999 were obtained from the U.S. Bureau of the Census, and actual population counts were used for 2000.

The 2001 state and county estimates for teenage females (10-14, 10-17, 15-19, 10-19) were compiled by the Kansas Department of Health and Environment based on 2000 U.S. Census Bureau numbers. In order to estimate the 2001 teenage female population for the various age groupings, the 2000 proportion for the age grouping within the total population had to be derived. These estimates were calculated as in the following example for 2001.

$$\begin{array}{l} \text{Female Population 10-14 Year} \\ \text{Age Group (2000)} \\ \hline \text{2000 Population All Ages} \end{array} \times \begin{array}{l} 10-14 \text{ Year} \\ = \text{Age-Group} \\ \text{All Ages} \end{array} \quad (2001)$$

The 2002 estimates were prepared by the U.S.C.B. in collaboration with the National Center for Health Statistics. (See above reference)

Technical Notes (Cont.)

Deaths. Underlying causes of death in the 2000 Annual Summary of Vital Statistics are established through a system known as the International Classification of Diseases, 10th Revision (ICD-10). This system promotes uniformity and comparability in the collection and presentation of mortality or death data. Prior to 1999, Kansas used ICD-9 to report mortality statistics.

Periodically the classification system needs to be updated to address new diseases and reflect a better understanding of causes of death. The World Health Organization maintains ICD-10 and the National Center for Health Statistics (NCHS), which compiles national statistics, modifies ICD-10 for use by Kansas and other states.

One of the challenges in the conversion to a new classification system is comparability with statistics compiled under the old system. Because so much has changed, exact comparison is not possible. Not only have the number of causes of death doubled to over 8,000, but the rules of how a death is coded have changed. Greater knowledge of diseases like Alzheimer's and diabetes has resulted in coding rule changes that will increase the number of cases reported. The rule changes may also lower the number of deaths classified as pneumonia and influenza. Death data from 1999 forward are classified by ICD-10, and trends in mortality will be comparable.

Age-Adjusted Death Rates. Mortality rates, the number of deaths per 100,000 population, are a common way to report death statistics so that comparisons can be made from year to year or among geographic areas. Crude death rates compensate for the differences in population within the areas or time periods studied. Crude death rates, however, do not compensate for the different make up of compared populations. For example, some Kansas counties may have more older residents than other counties. To address this, statisticians prepare age-adjusted death rates. The direct method for calculating age-adjusted death rates was used in this report. Age-adjusting is a process by which the age composition of a population is defined as constant so that differences in age composition can be eliminated from the analysis. This is needed because older populations have higher death rates, merely because death rates increase with age. Age-adjusted rates allow for more meaningful comparison of the risk of mortality over time and among groups.

For decades Kansas and many other states have used the 1940 standard population for age-adjusting. Other states have used a 1970 or 1980 population standard. Moving to a 2000 population standard, as recommended by NCHS, will eliminate confusion and misunderstanding created by the use of various population standards. Age- adjusted rates calculated using the 1940 population standard can't be compared to rates created using the 2000 standard. Since the benefit from age-adjusting rates comes only from using the same population standard, comparison between different standards would produce misleading results. Kansas began using the 2000 population standard in the 1999 Annual Summary of Vital Statistics. As part of its implementation of the new age-adjusting population standard, the Center for Health and Environmental Statistics (CHES) produced the report *Age Standardization of Kansas Death*

Technical Notes (Cont.)

Rates: Implications of the Year 2000 Standard. Copies can be obtained at the CHES Web site <http://www.kdhe.state.ks.us/ches/>.

Years of Potential Life Lost (YPLL). The YPLL, for this report, is a measurement of the number of years of potential life lost by each death occurring before the average life expectancy. This calculation provides more information on the societal impact of mortality. Years of life lost counts deaths at a younger age more heavily than those at older ages (e.g., the younger person has a greater potential for years left than an elderly person). YPLL were calculated by subtracting mid-point years of the 5-year age-groups from life expectancies for all Kansans and male and female Kansans. The subtraction leaves a remainder - the years of potential life lost, which is then multiplied by the number of deaths in that particular age-group and subsequently all calculations for the five-year age-groups beginning with 0-4 and through over 85 are summed to provide the total years of life lost. In making the calculations, the age-groups with mid-points larger than the life expectancy were set to zero because they would not contribute years of life lost (e.g., they are over the life expectancy). For this report, the life expectancy for all Kansans is 77.4 years, males 74.9 and females 79.8 years. These 2000 life expectancies were prepared by the KDHE Center for Health and Environmental Statistics. Since the 1992 Annual Summary of Vital Statistics, CHES has used 1990 life tables prepared by the Kansas Division of the Budget. In an effort to update this data CHES has prepared the report *Abridged Life Tables, Kansas, 2000*. Copies can be obtained on the Center for Health and Environmental Statistics website at: <http://www.kdhe.state.ks.us/ches/research.html>.

Rate Reliability. Vital statistics are easily influenced by random variation and single-year rates can fluctuate from year to year. A multiple-year rate such as a five- or ten- year average of single-year rates would be more accurate in formulating conclusions on vital events. For example, between 1998 and 2002 the infant death rate for Kansas ranged from 6.7 to 7.3, while the 1998-2002 five-year infant death rate for Kansas was 7.1 infant deaths per 1,000 live births. A five or ten-year rate smooths some of the variation in single-year rates and would be a more reliable indicator of infant death rates in Kansas.

Rates based on a small or large number of events in a sparsely populated area can vary widely. To exemplify the variation that may occur with a small change in the number of events, in 2002 Greeley county was the least populated county in Kansas with 1,472 residents and Johnson county was the largest with 476,536 residents. With 22 deaths occurring in Greeley county in 2002, the crude death rate was 14.9 deaths per 1,000 population; whereas 2,861 deaths occurring in Johnson county resulted in a crude death rate of 6.0 deaths per 1,000 population. If five more deaths occurred in each county (e.g., multiple- death accident), Greeley county's crude death rate would have increased to 18.3, while Johnson county's rate would have increased by only a few hundredths and, with rounding, still remain 6.0 deaths per 1,000 population. Therefore, one must use caution when comparing rates of vital events between counties of extreme population size differences to avoid misleading conclusions.

Technical Notes (Cont.)

Limitations of Pregnancy Outcome Data

From July, 1970 through June, 1995, only hospitals in Kansas were required by K.S.A. 65-445 to keep and submit to the Secretary of the Department of Health and Environment written records of all pregnancies terminated in the hospital. During this reporting period, nonhospital providers reported terminations only on a voluntary basis. Although Kansas had a comprehensive coverage of providers, there could have been a small number of abortions not reported. This means that the data may have been, to a certain degree, underreported. However, effective July 1, 1995, the Kansas legislature amended K.S.A. 65-445 in Senate Bill 384 to broaden the record-keeping and reporting requirement to include every medical care facility and every person licensed to practice medicine and surgery.

Criteria for the Adequacy of Prenatal Care Utilization (APNCU) INDEX.

I. Month prenatal care began (Adequacy of Initiation of Prenatal Care)

Adequate Plus: 1st or 2nd month

Adequate: 3rd or 4th month

Intermediate: 5th or 6th month

Inadequate: 7th month or later, or no prenatal care

II. Proportion of the number of visits recommended by the American College of Obstetricians and Gynecologists (ACOG) received from the time prenatal care began until delivery (Adequacy of Received Services)

Adequate Plus: 110% or more

Adequate: 80% - 109%

Intermediate: 50% - 79%

Inadequate: less than 50%

III. Summary Adequacy of Prenatal Care Utilization Index

Adequate Plus: Prenatal care begun by the 4th month and 110% or more of recommended visits received

Adequate: Prenatal care begun by the 4th month and 80% - 109% of recommended visits received

Intermediate: Prenatal care begun by the 4th month and 50% - 79% of recommended visits received

Inadequate: Prenatal care begun after the 4th month or less than 50% of recommended visits received

The bibliographic reference relating to this index is: Kotelchuck, Milton. "An Evaluation of the Kessner Adequacy of Prenatal Care Index and a Proposed Adequacy of Prenatal Care Utilization Index.", American Journal of Public Health, 1994; 84(9): 1414-1420.

Handling of Unknowns. Items for which no response was provided are shown as "not stated" (N.S.) in the tables and graphs throughout this publication. To ensure the accuracy of the data, the "not stated" have been removed from totals when calculating percentages.

DEFINITIONS

The following terms, formulas and symbols are defined for more meaningful interpretations of the data contained in this report.

Abortion (induced termination of pregnancy):	The purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus and which does not result in a live birth.
Adequacy of Prenatal Care Utilization (APNCU) Index:	An assessment of the adequacy of prenatal care measured by the APNCU Index (often referred to as the Kotelchuck Index), a composite measure based on gestational age of the newborn, the trimester prenatal care began, and the number of prenatal visits made.
Annulment:	The invalidation of a marriage contract.
Birth Weight:	The weight of the fetus or infant at the time of delivery.
Cause of Death:	The underlying cause of death, or that condition giving rise to the chain of events leading to death.
Congenital Anomalies:	Defects existing at and usually before birth regardless of causation.
Divorce:	The dissolution of a legally binding marriage contract.
Fetal Death:	Any complete expulsion or extraction from its mother of a product of human conception, the weight of which is in excess of 350 grams, irrespective of the duration of pregnancy, resulting in other than a live birth, and which is not an induced termination of pregnancy.
Hebdomadal Death:	The death of a live-born infant which occurs prior to the seventh day of life.
I.C.D. Code:	The cause-identifying number classified in the Tenth Revision of the <u>International Classification of Diseases</u> implemented by NCHS for deaths in 1999.
Infant Death:	The death of a live-born infant which occurs within the first year of life.

DEFINITIONS (Cont.)

Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, that, after such expulsion or extraction, shows any evidence of life such as breathing, heartbeat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached.
Low Birth Weight:	Weight of a fetus or infant at delivery which is under 2,500 grams (less than five pounds, 8 ounces).
Marriage:	The legal union of a male and female.
Marriage Dissolution:	A marriage dissolved by either a divorce or an annulment.
Maternal Death:	The death of a mother caused by complications of pregnancy, childbirth and the puerperium.
Medical Procedure I:	Refers to use of the drug mifepristone as a pregnancy termination procedure.
Medical Procedure II:	Refers to use of the drug methotrexate as a pregnancy termination procedure.
Natural Increase:	Live births minus total deaths of a population within a given year.
Neonatal Death:	The death of a live-born infant which occurs prior to the twenty-eighth day of life.
Occurrence Data:	Vital statistics compiled on the basis of where the vital event happened.
Out-of-Wedlock Birth:	A birth occurring to a mother who is not married at the time of conception or at the time of birth or at any time between conception and birth.
Peer Group:	A group of counties with similar population densities in persons per square mile, as adopted by the Kansas Department of Health and Environment, Office of Local and Rural Health.
Perinatal Period III Death:	The aggregate total of fetal deaths (fetus weighs over 350 grams) and hebdomadal deaths (deaths that occur prior to the 7th day of life).

DEFINITIONS (Cont.)

Population Density:	The average number of inhabitants per square mile.
Prenatal Care:	Pregnancy-related health care services provided to a woman between conception and delivery.
Previous Pregnancy:	Includes all previous reported spontaneous Terminations, previous induced abortions, children born still living and children born now dead.
Puerperium:	Period of time after delivery, usually six to eight weeks, during which all maternal reproductive organs return to the normal pre-pregnancy condition.
Residence Data:	Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred.
Teenage Pregnancy:	A live birth, fetal death or abortion occurring to a female under 20 years of age.
Trimester:	A three-month period of time. First trimester care, for example, refers to care initiated in the first three months of pregnancy.
Very Low Birth Weight:	Weight of a fetus or infant at delivery which is under 1,500 grams (less than 3 pounds, 5 ounces).
Weeks Gestation:	The number of weeks between the last reported normal menses and the delivery of the fetus or infant.

RATES AND RATIOS

Abortion Ratio:	$\frac{\text{induced abortions}}{\text{live births}}$	x 1,000
Age-Adjusted Death Rate:	$\frac{M_a P_a}{P}$	x 1,000 or 100,000
Where	M_a = age-specific death rate per 1,000 or 100,000 population for a given age-group	
	P_a = standard population in a given age-group	
	P = total standard population	
Age-Specific Death Rate:	$\frac{\text{deaths in a specific age-group}}{\text{population in a specific age-group}}$	x 1,000
Age-Specific Fertility Rate:	$\frac{\text{live births in a specific age-group}}{\text{female population in a specific age-group}}$	x 1,000
Birth Rate:	$\frac{\text{live births}}{\text{total population}}$	x 1,000
Cause-Specific Death Rate:	$\frac{\text{cause-specific deaths}}{\text{total population}}$	x 100,000
Death Rate:	$\frac{\text{total deaths}}{\text{total population}}$	x 1,000
Divorce Rate:	$\frac{\text{divorces}}{\text{total population}}$	x 1,000
Marriage Dissolution Rate:	$\frac{\text{divorces and annulments}}{\text{total population}}$	x 1,000
Fertility Rate:	$\frac{\text{live births}}{\text{female population 15-44}}$	x 1,000
Fetal Death Rate:	$\frac{\text{fetal deaths}}{\text{live births + fetal deaths}}$	x 1,000
Hebdomadal Death Rate:	$\frac{\text{hebdomadal deaths}}{\text{live births}}$	x 1,000
Infant Death Rate:	$\frac{\text{infant deaths}}{\text{live births}}$	x 1,000
Marriage Rate:	$\frac{\text{marriages}}{\text{total population}}$	x 1,000

RATES AND RATIOS (Cont.)

Maternal Death Rate:	$\frac{\text{maternal deaths}}{\text{live births}}$	x 10,000
Natural Increase Rate:	live birth rate minus total death rate	
Neonatal Death Rate:	$\frac{\text{neonatal deaths}}{\text{live births}}$	x 1,000
Out-of-Wedlock Birth Ratio:	$\frac{\text{out-of-wedlock births}}{\text{live births}}$	x 100
Perinatal Period III Death Rate:	$\frac{\text{perinatal period III deaths}}{\text{live births} + \text{fetal deaths}}$	x 1,000
Teenage Pregnancy Rate:	live births, fetal deaths, abortions for females <u>in a specific age-group</u> female population in a specific age-group	x 1,000
Years of Potential Life Lost Rate	$\frac{\text{years of potential life lost}}{\text{population}}$	x 1,000

SYMBOLS AND ABBREVIATIONS

n.s.	not stated
n.a.	not available
n/a	not applicable
0.0	quantity or percent more than zero but less than 0.05.